

AUTHORIZED
INFORMATION TECHNOLOGY SCHEDULE PRICELIST
GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY
EQUIPMENT, SOFTWARE AND SERVICES

Special Item No. 132-51 Information Technology Professional Services
Special Item No. 132-52 Electronic Commerce and Subscription Services

Note: All non-professional labor categories must be incidental to and used solely to support hardware, software and/or professional services, and cannot be purchased separately.

SPECIAL ITEM NUMBER 132-51 - INFORMATION TECHNOLOGY (IT) PROFESSIONAL SERVICES

FPDS Code D301 IT Facility Operation and Maintenance
FPDS Code D302 IT Systems Development Services
FPDS Code D306 IT Systems Analysis Services
FPDS Code D308 Programming Services
FPDS Code D311 IT Data Conversion Services
FPDS Code D316 IT Network Management Services

Note 1: All non-professional labor categories must be incidental to and used solely to support hardware, software and/or professional services, and cannot be purchased separately.

Note 2: Offerors and Agencies are advised that the Group 70 – Information Technology Schedule is not to be used as a means to procure services which properly fall under the Brooks Act. These services include, but are not limited to, architectural, engineering, mapping, cartographic production, remote sensing, geographic information systems, and related services. FAR 36.6 distinguishes between mapping services of an A/E nature and mapping services which are not connected nor incidental to the traditionally accepted A/E Services.

Note 3: This solicitation is not intended to solicit for the reselling of IT Professional Services, except for the provision of implementation, maintenance, integration, or training services in direct support of a product. Under such circumstances the services must be performance by the publisher or manufacturer or one of their authorized agents.

SPECIAL ITEM NUMBER 132-52 - ELECTRONIC COMMERCE AND SUBSCRIPTION SERVICES

FPDS Code D304	E-Mail Services
FPDS Code D304	Internet Access Services
FPDS Code D399 and Pager Services	Other Data Transmission Services, Not Elsewhere Classified - Except "Voice"

Digicon Corporation
510 Spring Street, Suite 250
Herndon, VA 20170-5279
703-621-1000 (Phone) 301-869-8081 (Fax)
www.digicon.com

Contract Number: GS-35F-5109H

Period Covered by Contract: October 27, 1997 through October 26, 2017

General Services Administration
Federal Acquisition Service

Pricelist current through Modification #0026 dated August 14, 2012 and Refresh #33 dated May 30, 2014

Products and ordering information in this Authorized Information Technology Schedule Pricelist are also available on the GSA Advantage! System (<http://www.gsaadvantage.gov>).

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INFORMATION FOR ORDERING ACTIVITIES APPLICABLE TO ALL SPECIAL ITEM NUMBERS

SPECIAL NOTICE TO AGENCIES: Small Business Participation

SBA strongly supports the participation of small business concerns in the Federal Acquisition Service. To enhance Small Business Participation SBA policy allows agencies to include in their procurement base and goals, the dollar value of orders expected to be placed against the Federal Supply Schedules, and to report accomplishments against these goals.

For orders exceeding the micropurchase threshold, FAR 8.404 requires agencies to consider the catalogs/pricelists of at least three schedule contractors or consider reasonably available information by using the GSA Advantage!™ on-line shopping service (www.gsaadvantage.gov). The catalogs/pricelists, GSA Advantage!™ and the Federal Acquisition Service Home Page (www.gsa.gov/fas) contain information on a broad array of products and services offered by small business concerns.

This information should be used as a tool to assist ordering activities in meeting or exceeding established small business goals. It should also be used as a tool to assist in including small, small disadvantaged, and women-owned small businesses among those considered when selecting pricelists for a best value determination.

For orders exceeding the micropurchase threshold, customers are to give preference to small business concerns when two or more items at the same delivered price will satisfy their requirement.

1. GEOGRAPHIC SCOPE OF CONTRACT:

Domestic delivery is delivery within the 48 contiguous states, Alaska, Hawaii, Puerto Rico, Washington, DC, and U.S. Territories. Domestic delivery also includes a port or consolidation point, within the aforementioned areas, for orders received from overseas activities.

Overseas delivery is delivery to points outside of the 48 contiguous states, Washington, DC, Alaska, Hawaii, Puerto Rico, and U.S. Territories.

Offerors are requested to check one of the following boxes:

- ☐ The Geographic Scope of Contract will be domestic and overseas delivery.
- ☐ The Geographic Scope of Contract will be overseas delivery only.
- ☒ The Geographic Scope of Contract will be domestic delivery only.

2. CONTRACTOR'S ORDERING ADDRESS AND PAYMENT INFORMATION:

Digicon Corporation
510 Spring Street, Suite 250
Herndon, VA 20170-5279

Contractor must accept the credit card for payments equal to or less than the micro-purchase for oral or written orders under this contract. The Contractor and the ordering agency may agree to use the credit card for dollar amounts over the micro-purchase threshold (See GSAR 552.232-79 Payment by Credit Card). In addition, bank account information for wire transfer payments will be shown on the invoice.

The following telephone number(s) can be used by ordering activities to obtain technical and/or ordering assistance:

703-621-1000 Phone

301-869-8081 FAX

3. LIABILITY FOR INJURY OR DAMAGE

The Contractor shall not be liable for any injury to ordering activity personnel or damage to ordering activity property arising from the use of equipment maintained by the Contractor, unless such injury or damage is due to the fault or negligence of the Contractor.

4. STATISTICAL DATA FOR GOVERNMENT ORDERING OFFICE COMPLETION OF STANDARD FORM 279:

Block 9: G. Order/Modification Under Federal Schedule Contract

Block 16: Data Universal Numbering System (DUNS) Number: _174243907

Block 30: Type of Contractor: _C. Large Business

Block 31: Woman-Owned Small Business - No

Block 37: Contractor's Taxpayer Identification Number (TIN): 52-1286314

Block 40: Veteran Owned Small Business (VOSB): _No

4a. CAGE Code: 0ASG4

4b. Contractor has registered with the Central Contractor Registration Database.

5. FOB DESTINATION

6. DELIVERY SCHEDULE

a. **TIME OF DELIVERY:** The Contractor shall deliver to destination within the number of calendar days after receipt of order (ARO), as set forth below:

SPECIAL ITEM NUMBER	DELIVERY TIME (Days ARO)
132-51	As negotiated between contractor and ordering activity
132-52	As negotiated between contractor and ordering activity

b. **URGENT REQUIREMENTS:** When the Federal Supply Schedule contract delivery period does not meet the bona fide urgent delivery requirements of an ordering activity, ordering activities are encouraged, if time permits, to contact the Contractor for the purpose of obtaining accelerated delivery. The Contractor shall reply to the inquiry within 3 workdays after receipt. (Telephonic replies shall be confirmed by the Contractor in writing.) If the Contractor offers an accelerated delivery time acceptable to the ordering activity, any order(s) placed pursuant to the agreed upon accelerated delivery time frame shall be delivered within this shorter delivery time and in accordance with all other terms and conditions of the contract.

c. i. SIN 132-54 and SIN 132-55, **ACCELERATED SERVICE DELIVERY** (7 calendar days or less): the time required for COMSATCOM services to be available after order award. Under Accelerated Service Task Orders, service acceptance testing, unless otherwise required by the satellite provider or host nation, shall be deferred until Ordering Activity operations permit.

ii. SIN 132-54 and SIN 132-55, **TIME-CRITICAL DELIVERY** (4 hours or less): the time required for COMSATCOM services to be available after order award. Under Time-Critical Task Orders, service acceptance testing unless otherwise required by the satellite provider or host nation shall be deferred until Ordering Activity operations permit. Time-Critical Delivery shall be predicated on the availability of COMSATCOM transponded capacity (contracted bandwidth and power, pre-arranged Host Nation Agreements, frequency clearance) or COMSATCOM subscription services (bandwidth, terminals, network resources, etc.).

iii. For SIN 132-54 and SIN 132-55, **EXTENDED SERVICE DELIVERY TIMES:** the time required under extenuating circumstances for COMSATCOM services to be available after order award. Such extenuating circumstances may include extended time required for host nation agreements or landing rights, or other time intensive service delivery requirements as defined in the individual requirement. Any such extended delivery times will be negotiated between the Ordering Activity and Contractor.

7. DISCOUNTS: Prices shown are NET Prices; Basic Discounts have been deducted.

a. Prompt Payment: _0% -30 days from receipt of invoice or date of acceptance, whichever is later.

- b. Quantity - None
- c. Dollar Volume - None
- d. Other Special Discounts (i.e. Government Education Discounts, etc.) Government Education Discounts will be the same discounts as given to all other Government agencies.

8. TRADE AGREEMENTS ACT OF 1979, as amended:

All items are U.S. made end products, designated country end products, Caribbean Basin country end products, Canadian end products, or Mexican end products as defined in the Trade Agreements Act of 1979, as amended.

9. STATEMENT CONCERNING AVAILABILITY OF EXPORT PACKING: Export Packing is outside the scope of this contract.

10. Small Requirements: The minimum dollar of orders to be issued is \$100.00.

11. MAXIMUM ORDER (All dollar amounts are exclusive of any discount for prompt payment.)

- a. The Maximum Order for the following Special Item Numbers (SINs) is \$500,000:
 - Special Item Number 132-51 - Information Technology Professional Services
 - Special Item Number 132-52 - Electronic Commerce (EC) Services

12. ORDERING PROCEDURES FOR FEDERAL SUPPLY SCHEDULE CONTRACTS

Ordering activities shall use the ordering procedures of Federal Acquisition Regulation (FAR) 8.405 when placing an order or establishing a BPA for supplies or services. These procedures apply to all schedules.

- a. FAR 8.405-1 Ordering procedures for supplies, and services not requiring a statement of work.
- b. FAR 8.405-2 Ordering procedures for services requiring a statement of work.

13. FEDERAL INFORMATION TECHNOLOGY/TELECOMMUNICATION STANDARDS

REQUIREMENTS: ordering activities acquiring products from this Schedule must comply with the provisions of the Federal Standards Program, as appropriate (reference: NIST Federal Standards Index). Inquiries to determine whether or not specific products listed herein comply with Federal Information Processing Standards (FIPS) or Federal Telecommunication Standards (FED-STDS), which are cited by ordering activities, shall be responded to promptly by the Contractor.

13.1 FEDERAL INFORMATION PROCESSING STANDARDS PUBLICATIONS (FIPS PUBS):

Information Technology products under this Schedule that do not conform to Federal Information Processing Standards (FIPS) should not be acquired unless a waiver has been granted in accordance with the applicable "FIPS Publication." Federal Information Processing Standards Publications (FIPS PUBS) are issued by the U.S. Department of Commerce, National Institute of Standards and Technology (NIST), pursuant to National Security Act. Information concerning their availability and applicability should be obtained from the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, Virginia 22161. FIPS PUBS include voluntary standards when these are adopted for Federal use. Individual orders for FIPS PUBS should be referred to the NTIS Sales Office, and orders for subscription service should be referred to the NTIS Subscription Officer, both at the above address, or telephone number (703) 487-4650.

13.2 FEDERAL TELECOMMUNICATION STANDARDS (FED-STDS): Telecommunication products under this Schedule that do not conform to Federal Telecommunication Standards (FED-STDS) should not be acquired unless a waiver has been granted in accordance with the applicable "FED-STD." Federal Telecommunication Standards are issued by the U.S. Department of Commerce, National Institute of Standards and Technology (NIST), pursuant to National Security Act. Ordering information and information concerning the availability of FED-STDS should be obtained from the GSA, Federal Acquisition Service, Specification Section, 470 East L'Enfant Plaza, Suite 8100, SW, Washington, DC 20407, telephone number (202)619-8925. Please include a self-addressed mailing label when requesting information by mail. Information concerning their applicability can be obtained by writing or calling the U.S. Department of Commerce, National Institute of Standards and Technology, Gaithersburg, MD 20899, telephone number (301)975-2833.

14. CONTRACTOR TASKS / SPECIAL REQUIREMENTS (C-FSS-370) (NOV 2003) .

- (a) Security Clearances: The Contractor may be required to obtain/possess varying levels of security clearances in the performance of orders issued under this contract. All costs associated with obtaining/possessing such security clearances should be factored into the price offered under the Multiple Award Schedule.
- (b) Travel: The Contractor may be required to travel in performance of orders issued under this contract. Allowable travel and per diem charges are governed by Pub .L. 99-234 and FAR Part 31, and are reimbursable by the ordering agency or can be priced as a fixed price item on orders placed under the Multiple Award Schedule. Travel in performance of a task order will only be reimbursable to the extent authorized by the ordering agency. The Industrial Funding Fee does NOT apply to travel and per diem charges.
- (c) Certifications, Licenses and Accreditations: As a commercial practice, the Contractor may be required to obtain/possess any variety of certifications, licenses and accreditations for specific FSC/service code classifications offered. All costs associated with obtaining/ possessing such certifications, licenses and accreditations should be factored into the price offered under the Multiple Award Schedule program.
- (d) Insurance: As a commercial practice, the Contractor may be required to obtain/possess insurance coverage for specific FSC/service code classifications offered. All costs associated with obtaining/possessing such insurance should be factored into the price offered under the Multiple Award Schedule program.
- (e) Personnel: The Contractor may be required to provide key personnel, resumes or skill category descriptions in the performance of orders issued under this contract. Ordering activities may require agency approval of additions or replacements to key personnel.
- (f) Organizational Conflicts of Interest: Where there may be an organizational conflict of interest as determined by the ordering agency, the Contractor's participation in such order may be restricted in accordance with FAR Part 9.5.
- (g) Documentation/Standards: The Contractor may be requested to provide products or services in accordance with rules, regulations, OMB orders, standards and documentation as specified by the agency's order.
- (h) Data/Deliverable Requirements: Any required data/deliverables at the ordering level will be as specified or negotiated in the agency's order.
- (i) Government-Furnished Property: As specified by the agency's order, the Government may provide property, equipment, materials or resources as necessary.
- (j) Availability of Funds: Many Government agencies' operating funds are appropriated for a specific fiscal year. Funds may not be presently available for any orders placed under the contract or any option year. The Government's obligation on orders placed under this contract is contingent upon the availability of appropriated funds from which payment for ordering purposes can be made. No legal liability on the part of the Government for any payment may arise until funds are available to the ordering Contracting Officer.
- (k) Overtime: For professional services, the labor rates in the Schedule should not vary by virtue of the Contractor having worked overtime. For services applicable to the Service Contract Act (as identified in the Schedule), the labor rates in the Schedule will vary as governed by labor laws (usually assessed a time and a half of the labor rate).

15. CONTRACT ADMINISTRATION FOR ORDERING ACTIVITIES: Any ordering activity, with respect to any one or more delivery orders placed by it under this contract, may exercise the same rights of termination as might the GSA Contracting Officer under provisions of FAR 52.212-4, paragraphs (l) Termination for the ordering activity's convenience, and (m) Termination for Cause (See 52.212-4)

16. GSA ADVANTAGE!

GSA Advantage! is an on-line, interactive electronic information and ordering system that provides on-line access to vendors' schedule prices with ordering information. GSA Advantage! will allow the user to perform various searches across all contracts including, but not limited to:

- (1) Manufacturer;
- (2) Manufacturer's Part Number; and
- (3) Product categories.

Agencies can browse GSA Advantage! by accessing the Internet World Wide Web utilizing a browser (ex.: NetScape). The Internet address is <http://www.gsaadvantage.gov>

17. PURCHASE OF OPEN MARKET ITEMS

NOTE: Open Market Items are also known as incidental items, noncontract items, non-Schedule items, and items not on a Federal Supply Schedule contract. Ordering Activities procuring open market items must follow FAR 8.402(f).

For administrative convenience, an ordering activity contracting officer may add items not on the Federal Supply Multiple Award Schedule (MAS) -- referred to as open market items -- to a Federal Supply Schedule blanket purchase agreement (BPA) or an individual task or delivery order, **only if-**

- (1) All applicable acquisition regulations pertaining to the purchase of the items not on the Federal Supply Schedule have been followed (e.g., publicizing (Part 5), competition requirements (Part 6), acquisition of commercial items (Part 12), contracting methods (Parts 13, 14, and 15), and small business programs (Part 19));
- (2) The ordering activity contracting officer has determined the price for the items not on the Federal Supply Schedule is fair and reasonable;
- (3) The items are clearly labeled on the order as items not on the Federal Supply Schedule; and
- (4) All clauses applicable to items not on the Federal Supply Schedule are included in the order.

18. CONTRACTOR COMMITMENTS, WARRANTIES AND REPRESENTATIONS

a. For the purpose of this contract, commitments, warranties and representations include, in addition to those agreed to for the entire schedule contract:

- (1) Time of delivery/installation quotations for individual orders;
- (2) Technical representations and/or warranties of products concerning performance, total system performance and/or configuration, physical, design and/or functional characteristics and capabilities of a product/equipment/ service/software package submitted in response to requirements which result in orders under this schedule contract.
- (3) Any representations and/or warranties concerning the products made in any literature, description, drawings and/or specifications furnished by the Contractor.

b. The above is not intended to encompass items not currently covered by the GSA Schedule contract.

c. The maintenance/repair service provided is the standard commercial terms and conditions for the type of products and/or services awarded.

19. OVERSEAS ACTIVITIES

The terms and conditions of this contract shall apply to all orders for installation, maintenance and repair of equipment in areas listed in the pricelist outside the 48 contiguous states and the District of Columbia, except as indicated below:

None

Upon request of the Contractor, the ordering activity may provide the Contractor with logistics support, as available, in accordance with all applicable ordering activity regulations. Such ordering activity support will be provided on a reimbursable basis, and will only be provided to the Contractor's technical personnel whose services are exclusively required for the fulfillment of the terms and conditions of this contract.

20. BLANKET PURCHASE AGREEMENTS (BPAs)

The use of BPAs under any schedule contract to fill repetitive needs for supplies or services is allowable. BPAs may be established with one or more schedule contractors. The number of BPAs to be established is within the discretion of the ordering activity establishing the BPA and should be based on a strategy that is expected to maximize the effectiveness of the BPA(s). Ordering activities shall follow FAR 8.405-3 when creating and implementing BPA(s).

21. CONTRACTOR TEAM ARRANGEMENTS

Contractors participating in contractor team arrangements must abide by all terms and conditions of their respective contracts. This includes compliance with Clauses 552.238-74, Industrial Funding Fee and Sales Reporting, i.e., each contractor (team member) must report sales and remit the IFF for all products and services provided under its individual contract.

22. INSTALLATION, DEINSTALLATION, REINSTALLATION

The Davis-Bacon Act (40 U.S.C. 276a-276a-7) provides that contracts in excess of \$2,000 to which the United States or the District of Columbia is a party for construction, alteration, or repair (including painting and decorating) of public buildings or public works with the United States, shall contain a clause that no laborer or mechanic employed directly upon the site of the work shall received less than the prevailing wage rates as determined by the Secretary of Labor. The requirements of the Davis-Bacon Act do not apply if the construction work is incidental to the furnishing of supplies, equipment, or services. For example, the requirements do not apply to simple installation or alteration of a public building or public work that is incidental to furnishing supplies or equipment under a supply contract. However, if the construction, alteration or repair is segregable and exceeds \$2,000, then the requirements of the Davis-Bacon Act applies.

The ordering activity issuing the task order against this contract will be responsible for proper administration and enforcement of the Federal labor standards covered by the Davis-Bacon Act. The proper Davis-Bacon wage determination will be issued by the ordering activity at the time a request for quotations is made for applicable construction classified installation, deinstallation, and reinstallation services under SIN 132-8 or 132-9.

23. SECTION 508 COMPLIANCE.

I certify that in accordance with 508 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794d), FAR 39.2, and the Architectural and Transportation Barriers Compliance Board Electronic and Information Technology (EIT) Accessibility Standards (36 CFR 1194) General Services Administration (GSA), that all IT hardware/software/services are 508 compliant:

Yes ☒ X

No ☐

The offeror is required to submit with its offer a designated area on its website that outlines the Voluntary Product Accessibility Template (VPAT) or equivalent qualification, which ultimately becomes the Government Product Accessibility Template (GPAT). Section 508 compliance information on the supplies and services in this contract are available at the following website address (URL): www.digicon.com

The EIT standard can be found at: www.Section508.gov/.

24. PRIME CONTRACTOR ORDERING FROM FEDERAL SUPPLY SCHEDULES.

Prime Contractors (on cost reimbursement contracts) placing orders under Federal Supply Schedules, on behalf of an ordering activity, shall follow the terms of the applicable schedule and authorization and include with each order.

- (a) A copy of the authorization from the ordering activity with whom the contractor has the prime contract (unless a copy was previously furnished to the Federal Supply Schedule contractor); and
- (b) The following statement:

This order is placed under written authorization from _____ dated _____. In the event of any inconsistency between the terms and conditions of this order and those of your Federal Supply Schedule contract, the latter will govern.

25. INSURANCE—WORK ON A GOVERNMENT INSTALLATION (JAN 1997)(FAR 52.228-5)

- (a) The Contractor shall, at its own expense, provide and maintain during the entire performance of this contract, at least the kinds and minimum amounts of insurance required in the Schedule or elsewhere in the contract.
- (b) Before commencing work under this contract, the Contractor shall notify the Contracting Officer in writing that the required insurance has been obtained. The policies evidencing required insurance shall contain an endorsement to the effect that any cancellation or any material change adversely affecting the Government's interest shall not be effective—
 - (1) For such period as the laws of the State in which this contract is to be performed prescribe; or
 - (2) Until 30 days after the insurer or the Contractor gives written notice to the Contracting Officer, whichever period is longer.
- (c) The Contractor shall insert the substance of this clause, including this paragraph (c), in subcontracts under this contract that require work on a Government installation and shall require subcontractors to provide and maintain the insurance required in the Schedule or elsewhere in the contract. The Contractor shall maintain a copy of all subcontractors' proofs of required insurance, and shall make copies available to the Contracting Officer upon request.

26. SOFTWARE INTEROPERABILITY.

Offerors are encouraged to identify within their software items any component interfaces that support open standard interoperability. An item's interface may be identified as interoperable on the basis of participation in a Government agency-sponsored program or in an independent organization program. Interfaces may be identified by reference to an interface registered in the component registry located at <http://www.core.gov>.

27. ADVANCE PAYMENTS

A payment under this contract to provide a service or deliver an article for the United States Government may not be more than the value of the service already provided or the article already delivered. Advance or pre-payment is not authorized or allowed under this contract. (31 U.S.C. 3324)

**TERMS AND CONDITIONS APPLICABLE TO INFORMATION TECHNOLOGY (IT)
PROFESSIONAL SERVICES (SPECIAL ITEM NUMBER 132-51)****1. SCOPE**

- a. The prices, terms and conditions stated under Special Item Number 132-51 Information Technology Professional Services apply exclusively to IT Professional Services within the scope of this Information Technology Schedule.
- b. The Contractor shall provide services at the Contractor's facility and/or at the ordering activity location, as agreed to by the Contractor and the ordering activity.

2. PERFORMANCE INCENTIVES I-FSS-60 Performance Incentives (April 2000)

- a. Performance incentives may be agreed upon between the Contractor and the ordering activity on individual fixed price orders or Blanket Purchase Agreements under this contract.
- b. The ordering activity must establish a maximum performance incentive price for these services and/or total solutions on individual orders or Blanket Purchase Agreements.
- c. Incentives should be designed to relate results achieved by the contractor to specified targets. To the maximum extent practicable, ordering activities shall consider establishing incentives where performance is critical to the ordering activity's mission and incentives are likely to motivate the contractor. Incentives shall be based on objectively measurable tasks.

3. ORDER

- a. Agencies may use written orders, EDI orders, blanket purchase agreements, individual purchase orders, or task orders for ordering services under this contract. Blanket Purchase Agreements shall not extend beyond the end of the contract period; all services and delivery shall be made and the contract terms and conditions shall continue in effect until the completion of the order. Orders for tasks which extend beyond the fiscal year for which funds are available shall include FAR 52.232-19 (Deviation – May 2003) Availability of Funds for the Next Fiscal Year. The purchase order shall specify the availability of funds and the period for which funds are available.
- b. All task orders are subject to the terms and conditions of the contract. In the event of conflict between a task order and the contract, the contract will take precedence.

4. PERFORMANCE OF SERVICES

- a. The Contractor shall commence performance of services on the date agreed to by the Contractor and the ordering activity.
- b. The Contractor agrees to render services only during normal working hours, unless otherwise agreed to by the Contractor and the ordering activity.
- c. The ordering activity should include the criteria for satisfactory completion for each task in the Statement of Work or Delivery Order. Services shall be completed in a good and workmanlike manner.
- d. Any Contractor travel required in the performance of IT Services must comply with the Federal Travel Regulation or Joint Travel Regulations, as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all Contractor travel. Contractors cannot use GSA city pair contracts.

5. STOP-WORK ORDER (FAR 52.242-15) (AUG 1989)

(a) The Contracting Officer may, at any time, by written order to the Contractor, require the Contractor to stop all, or any part, of the work called for by this contract for a period of 90 days after the order is delivered to the Contractor, and for any further period to which the parties may agree. The order shall be specifically identified as a stop-work order issued under this clause. Upon receipt of the order, the Contractor shall immediately comply with its terms and take all reasonable steps to minimize the incurrence of costs allocable to the work covered by the order during the period of work stoppage. Within a period of 90 days after a stop-work is delivered to the Contractor, or within any extension of that period to which the parties shall have agreed, the Contracting Officer shall either-

- (1) Cancel the stop-work order; or
- (2) Terminate the work covered by the order as provided in the Default, or the Termination for Convenience of the Government, clause of this contract.

(b) If a stop-work order issued under this clause is canceled or the period of the order or any extension thereof expires, the Contractor shall resume work. The Contracting Officer shall make an equitable adjustment in the delivery schedule or contract price, or both, and the contract shall be modified, in writing, accordingly, if-

- (1) The stop-work order results in an increase in the time required for, or in the Contractor's cost properly allocable to, the performance of any part of this contract; and
- (2) The Contractor asserts its right to the adjustment within 30 days after the end of the period of work stoppage; provided, that, if the Contracting Officer decides the facts justify the action, the Contracting Officer may receive and act upon the claim submitted at any time before final payment under this contract.

(c) If a stop-work order is not canceled and the work covered by the order is terminated for the convenience of the Government, the Contracting Officer shall allow reasonable costs resulting from the stop-work order in arriving at the termination settlement.

(d) If a stop-work order is not canceled and the work covered by the order is terminated for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

6. INSPECTION OF SERVICES

In accordance with FAR 52.212-4 CONTRACT TERMS AND CONDITIONS--COMMERCIAL ITEMS (MAR 2009) (DEVIATION I - FEB 2007) for Firm-Fixed Price orders and FAR 52.212-4 CONTRACT TERMS AND CONDITIONS --COMMERCIAL ITEMS (MAR 2009) (ALTERNATE I - OCT 2008) (DEVIATION I - FEB 2007) applies to Time-and-Materials and Labor-Hour Contracts orders placed under this contract.

7. RESPONSIBILITIES OF THE CONTRACTOR

The Contractor shall comply with all laws, ordinances, and regulations (Federal, State, City, or otherwise) covering work of this character. If the end product of a task order is software, then FAR 52.227-14 (Dec 2007) Rights in Data - General, may apply.

8. RESPONSIBILITIES OF THE ORDERING ACTIVITY

Subject to security regulations, the ordering activity shall permit Contractor access to all facilities necessary to perform the requisite IT Professional Services.

9. INDEPENDENT CONTRACTOR

All IT Professional Services performed by the Contractor under the terms of this contract shall be as an independent Contractor, and not as an agent or employee of the ordering activity.

10. ORGANIZATIONAL CONFLICTS OF INTEREST

a. Definitions.

“Contractor” means the person, firm, unincorporated association, joint venture, partnership, or corporation that is a party to this contract.

“Contractor and its affiliates” and “Contractor or its affiliates” refers to the Contractor, its chief executives, directors, officers, subsidiaries, affiliates, subcontractors at any tier, and consultants and any joint venture involving the Contractor, any entity into or with which the Contractor subsequently merges or affiliates, or any other successor or assignee of the Contractor.

An “Organizational conflict of interest” exists when the nature of the work to be performed under a proposed ordering activity contract, without some restriction on ordering activities by the Contractor and its affiliates, may either (i) result in an unfair competitive advantage to the Contractor or its affiliates or (ii) impair the Contractor’s or its affiliates’ objectivity in performing contract work.

b. To avoid an organizational or financial conflict of interest and to avoid prejudicing the best interests of the ordering activity, ordering activities may place restrictions on the Contractors, its affiliates, chief executives, directors, subsidiaries and subcontractors at any tier when placing orders against schedule contracts. Such restrictions shall be consistent with FAR 9.505 and shall be designed to avoid, neutralize, or mitigate organizational conflicts of interest that might otherwise exist in situations related to individual orders placed against the schedule contract. Examples of situations, which may require restrictions, are provided at FAR 9.508.

11. INVOICES

The Contractor, upon completion of the work ordered, shall submit invoices for IT Professional services. Progress payments may be authorized by the ordering activity on individual orders if appropriate. Progress payments shall be based upon completion of defined milestones or interim products. Invoices shall be submitted monthly for recurring services performed during the preceding month.

12. PAYMENTS

For firm-fixed price orders the ordering activity shall pay the Contractor, upon submission of proper invoices or vouchers, the prices stipulated in this contract for service rendered and accepted. Progress payments shall be made only when authorized by the order. For time-and-materials orders, the Payments under Time-and-Materials and Labor-Hour Contracts at FAR 52.212-4 (MAR 2009) (ALTERNATE I – OCT 2008) (DEVIATION I – FEB 2007) applies to time-and-materials orders placed under this contract. For labor-hour orders, the Payment under Time-and-Materials and Labor-Hour Contracts at FAR 52.212-4 (MAR 2009) (ALTERNATE I – OCT 2008) (DEVIATION I – FEB 2007) applies to labor-hour orders placed under this contract. 52.216-31(Feb 2007) Time-and-Materials/Labor-Hour Proposal Requirements—Commercial Item Acquisition As prescribed in 16.601(e)(3), insert the following provision:

(a) The Government contemplates award of a Time-and-Materials or Labor-Hour type of contract resulting from this solicitation.

(b) The offeror must specify fixed hourly rates in its offer that include wages, overhead, general and administrative expenses, and profit. The offeror must specify whether the fixed hourly rate for each labor category applies to labor performed by—

- (1) The offeror;
- (2) Subcontractors; and/or
- (3) Divisions, subsidiaries, or affiliates of the offeror under a common control.

13. RESUMES

Resumes shall be provided to the GSA Contracting Officer or the user ordering activity upon request.

14. INCIDENTAL SUPPORT COSTS

Incidental support costs are available outside the scope of this contract. The costs will be negotiated separately with the ordering activity in accordance with the guidelines set forth in the FAR.

15. APPROVAL OF SUBCONTRACTS

The ordering activity may require that the Contractor receive, from the ordering activity's Contracting Officer, written consent before placing any subcontract for furnishing any of the work called for in a task order.

16. DESCRIPTION OF IT/IAM PROFESSIONAL SERVICES AND PRICING

a. The Contractor shall provide a description of each type of IT Service offered under Special Item Numbers 132-51 IT Professional Services should be presented in the same manner as the Contractor sells to its commercial and other ordering activity customers. If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles (labor categories) for those individuals who will perform the service should be provided.

b. Pricing for all IT Professional Services shall be in accordance with the Contractor's customary commercial practices; e.g., hourly rates, monthly rates, term rates, and/or fixed prices, minimum general experience and minimum education.

The following is an example of the manner in which the description of a commercial job title should be presented:

EXAMPLE: Commercial Job Title: System Engineer

Minimum/General Experience: Three (3) years of technical experience which applies to systems analysis and design techniques for complex computer systems. Requires competence in all phases of systems analysis techniques, concepts and methods; also requires knowledge of available hardware, system software, input/output devices, structure and management practices.

Functional Responsibility: Guides users in formulating requirements, advises alternative approaches, conducts feasibility studies.

Minimum Education: Bachelor's Degree in Computer Science

**TERMS AND CONDITIONS APPLICABLE TO
ELECTRONIC COMMERCE AND SUBSCRIPTION SERVICES (SPECIAL
IDENTIFICATION NUMBER 132-52)**

1. SCOPE

The prices, terms and conditions stated under Special Item Number 132-52 Electronic Commerce (EC) Services apply exclusively to EC Services within the scope of this Information Technology Schedule.

2. ELECTRONIC COMMERCE CAPACITY AND COVERAGE

The Ordering Activity shall specify the capacity and coverage required as part of the initial requirement.

3. INFORMATION ASSURANCE

- a. The Ordering Activity is responsible for ensuring to the maximum extent practicable that each requirement issued is in compliance with the Federal Information Security Management Act (FISMA)
- b. The Ordering Activity shall assign an impact level (per Federal Information Processing Standards Publication 199 & 200 (FIPS 199, "*Standards for Security Categorization of Federal Information and Information Systems*") (FIPS 200, "*Minimum Security Requirements for Federal Information and Information Systems*") prior to issuing the initial statement of work. Evaluations shall consider the extent to which each proposed service accommodates the necessary security controls based upon the assigned impact level. The Contractor awarded SIN 132-52 is capable of meeting at least the minimum security requirements assigned against a low-impact information system (per FIPS 200).
- c. The Ordering Activity reserves the right to independently evaluate, audit, and verify the FISMA compliance for any proposed or awarded Electronic Commerce services. All FISMA certification, accreditation, and evaluation activities are the responsibility of the ordering activity.

4. DELIVERY SCHEDULE.

The Ordering Activity shall specify the delivery schedule as part of the initial requirement. The Delivery Schedule options are found in *Information for Ordering Activities Applicable to All Special Item Numbers*, paragraph 6. *Delivery Schedule*.

5. INTEROPERABILITY.

When an Ordering Activity requires interoperability, this requirement shall be included as part of the initial requirement. Interfaces may be identified as interoperable on the basis of participation in a sponsored program acceptable to the Ordering Activity. Any such access or interoperability with teleports/gateways and provisioning of enterprise service access will be defined in the individual requirement.

6. ORDER

- a. Agencies may use written orders, EDI orders, blanket purchase agreements, individual purchase orders, or task orders for ordering electronic services under this contract. Blanket Purchase Agreements shall not extend beyond the end of the contract period; all electronic services and delivery shall be made and the contract terms and conditions shall continue in effect until the completion of the order. Orders for tasks which extend beyond the fiscal year for which funds are available shall include FAR 52.232-19 (Deviation – May 2003) Availability of Funds for the Next Fiscal Year. The purchase order shall specify the availability of funds and the period for which funds are available.
- b. All task orders are subject to the terms and conditions of the contract. In the event of conflict between a task order and the contract, the contract will take precedence.

7. PERFORMANCE OF ELECTRONIC SERVICES

The Contractor shall provide electronic services on the date agreed to by the Contractor and the ordering activity.

8. RESPONSIBILITIES OF THE CONTRACTOR

The Contractor shall comply with all laws, ordinances, and regulations (Federal, State, City, or otherwise) covering work of this character.

9. RIGHTS IN DATA

The Contractor shall comply FAR 52.227-14 RIGHTS IN DATA – GENERAL and with all laws, ordinances, and regulations (Federal, State, City, or otherwise) covering work of this character.

10. ACCEPTANCE TESTING

If requested by the ordering activity the Contractor shall provide acceptance test plans and procedures for ordering activity approval. The Contractor shall perform acceptance testing of the systems for ordering activity approval in accordance with the approved test procedures.

11. WARRANTY

The Contractor shall provide a warranty covering each Contractor-provided electronic commerce service. The minimum duration of the warranty shall be the duration of the manufacturer's commercial warranty for the item listed below:

Standard commercial warranty

The warranty shall commence upon the later of the following:

- a. Activation of the user's service
- b. Installation/delivery of the equipment

The Contractor, by repair or replacement of the defective item, shall complete all warranty services within five working days of notification of the defect. Warranty service shall be deemed complete when the user has possession of the repaired or replaced item. If the Contractor renders warranty service by replacement, the user shall return the defective item(s) to the Contractor as soon as possible but not later than ten (10) working days after notification.

12. MANAGEMENT AND OPERATIONS PRICING

The Contractor shall provide management and operations pricing on a uniform basis. All management and operations requirements for which pricing elements are not specified shall be provided as part of the basic service.

13. TRAINING

The Contractor shall provide normal commercial installation, operation, maintenance, and engineering interface training on the system. If there is a separate charge, indicate below:

None

14. MONTHLY REPORTS

In accordance with commercial practices, the Contractor may furnish the ordering activity/user with a monthly summary ordering activity report.

**USA COMMITMENT TO PROMOTE
SMALL BUSINESS PARTICIPATION
PROCUREMENT PROGRAMS**

PREAMBLE

(Digicon Corporation) provides commercial products and services to ordering activities. We are committed to promoting participation of small, small disadvantaged and women-owned small businesses in our contracts. We pledge to provide opportunities to the small business community through reselling opportunities, mentor-protégé programs, joint ventures, teaming arrangements, and subcontracting.

COMMITMENT

To actively seek and partner with small businesses.

To identify, qualify, mentor and develop small, small disadvantaged and women-owned small businesses by purchasing from these businesses whenever practical.

To develop and promote company policy initiatives that demonstrate our support for awarding contracts and subcontracts to small business concerns.

To undertake significant efforts to determine the potential of small, small disadvantaged and women-owned small business to supply products and services to our company.

To insure procurement opportunities are designed to permit the maximum possible participation of small, small disadvantaged, and women-owned small businesses.

To attend business opportunity workshops, minority business enterprise seminars, trade fairs, procurement conferences, etc., to identify and increase small businesses with whom to partner.

To publicize in our marketing publications our interest in meeting small businesses that may be interested in subcontracting opportunities.

We signify our commitment to work in partnership with small, small disadvantaged and women-owned small businesses to promote and increase their participation in ordering activity contracts. To accelerate potential opportunities please contact (**John Wu, President, 703-621-1000, 301-869-8081, jwu@digiconasp.com**).

(Insert Customer Name)

This BPA will further decrease costs, reduce paperwork, and save time by eliminating the need for repetitive, individual purchases from the schedule contract. The end result is to create a purchasing mechanism for the ordering activity that works better and costs less.

Contractor
Date

BPA NUMBER_____

(CUSTOMER NAME)
BLANKET PURCHASE AGREEMENT

Pursuant to GSA Federal Supply Schedule Contract Number(s)_____, Blanket Purchase Agreements, the Contractor agrees to the following terms of a Blanket Purchase Agreement (BPA) EXCLUSIVELY WITH (ordering activity):

- (1) The following contract items can be ordered under this BPA. All orders placed against this BPA are subject to the terms and conditions of the contract, except as noted below:

MODEL NUMBER/PART NUMBER	*SPECIAL BPA DISCOUNT/PRICE
_____	_____
_____	_____
_____	_____

- (2) Delivery:

DESTINATION	DELIVERY SCHEDULES / DATES
_____	_____
_____	_____
_____	_____

- (3) The ordering activity estimates, but does not guarantee, that the volume of purchases through this agreement will be _____.

- (4) This BPA does not obligate any funds.

- (5) This BPA expires on _____ or at the end of the contract period, whichever is earlier.

- (6) The following office(s) is hereby authorized to place orders under this BPA:

OFFICE	POINT OF CONTACT
_____	_____
_____	_____
_____	_____

- (7) Orders will be placed against this BPA via Electronic Data Interchange (EDI), FAX, or paper.

- (8) Unless otherwise agreed to, all deliveries under this BPA must be accompanied by delivery tickets or sales slips that must contain the following information as a minimum:

- (a) Name of Contractor;
- (b) Contract Number;
- (c) BPA Number;
- (d) Model Number or National Stock Number (NSN);
- (e) Purchase Order Number;
- (f) Date of Purchase;

(g) Quantity, Unit Price, and Extension of Each Item (unit prices and extensions need not be shown when incompatible with the use of automated systems; provided, that the invoice is itemized to show the information); and

(h) Date of Shipment.

(9) The requirements of a proper invoice are specified in the Federal Supply Schedule contract. Invoices will be submitted to the address specified within the purchase order transmission issued against this BPA.

(10) The terms and conditions included in this BPA apply to all purchases made pursuant to it. In the event of an inconsistency between the provisions of this BPA and the Contractor's invoice, the provisions of this BPA will take precedence.

**BASIC GUIDELINES FOR USING
“CONTRACTOR TEAM ARRANGEMENTS”**

Federal Supply Schedule Contractors may use “Contractor Team Arrangements” (see FAR 9.6) to provide solutions when responding to a ordering activity requirements.

These Team Arrangements can be included under a Blanket Purchase Agreement (BPA). BPAs are permitted under all Federal Supply Schedule contracts.

Orders under a Team Arrangement are subject to terms and conditions of the Federal Supply Schedule Contract.

Participation in a Team Arrangement is limited to Federal Supply Schedule Contractors.

Customers should refer to FAR 9.6 for specific details on Team Arrangements.

Here is a general outline on how it works:

- The customer identifies their requirements.
- Federal Supply Schedule Contractors may individually meet the customer's needs, or -
- Federal Supply Schedule Contractors may individually submit a Schedules “Team Solution” to meet the customer's requirement.
- Customers make a best value selection.

DIGICON CORPORATION CONTRACTOR SITE RATES						
Item #	Labor Category	Years Exp	Option Period 3			
			10/27/13 - 10/26/14	10/27/14 - 10/26/15	10/27/15 - 10/26/16	10/27/16 - 10/26/17
01	Program Manager	10	\$ 134.69	\$ 138.73	\$ 142.89	\$ 147.18
02	Project Manager	6	\$ 91.98	\$ 94.74	\$ 97.58	\$ 100.51
03	Quality Assurance Manager	5	\$ 87.37	\$ 89.99	\$ 92.69	\$ 95.47
04	Quality Assurance Analyst	3	\$ 64.19	\$ 66.12	\$ 68.10	\$ 70.14
05	Project Control Specialist	3	\$ 73.13	\$ 75.32	\$ 77.58	\$ 79.91
06	Program Administration Specialist	2	\$ 88.38	\$ 91.03	\$ 93.76	\$ 96.57
07	Senior Functional Analyst	8	\$ 95.69	\$ 98.56	\$ 101.52	\$ 104.57
08	Functional Analyst	3	\$ 65.97	\$ 67.95	\$ 69.99	\$ 72.09
09	Principal Systems Architect	7	\$ 135.87	\$ 139.95	\$ 144.15	\$ 148.47
10	Senior Systems Architect	8	\$ 109.92	\$ 113.22	\$ 116.62	\$ 120.12
11	Principal Information Engineer	7	\$ 103.15	\$ 106.24	\$ 109.43	\$ 112.71
12	Senior Information Engineer	8	\$ 87.49	\$ 90.11	\$ 92.81	\$ 95.59
13	Senior Computer Systems Analyst	8	\$ 122.83	\$ 126.51	\$ 130.31	\$ 134.22
14	Computer Systems Analyst	4	\$ 82.02	\$ 84.48	\$ 87.01	\$ 89.62
15	Junior Computer Systems Analyst	<1	\$ 59.76	\$ 61.55	\$ 63.40	\$ 65.30
16	Senior Application Engineer	8	\$ 157.72	\$ 162.45	\$ 167.32	\$ 172.34
17	Applications Engineer	4	\$ 87.63	\$ 90.26	\$ 92.97	\$ 95.76
18	Application Programmer	3	\$ 121.07	\$ 124.70	\$ 128.44	\$ 132.29
19	Junior Application Programmer	<1	\$ 60.03	\$ 61.83	\$ 63.68	\$ 65.59
20	Student Application Engineer	<1	\$ 40.52	\$ 41.74	\$ 42.99	\$ 44.28
21	Senior Database Management Specialist	8	\$ 122.83	\$ 126.51	\$ 130.31	\$ 134.22
22	Database Management Specialist	4	\$ 78.05	\$ 80.39	\$ 82.80	\$ 85.28
23	Data Entry Clerk	1	\$ 46.09	\$ 47.47	\$ 48.89	\$ 50.36
24	Operations Manager	5	\$ 89.50	\$ 92.19	\$ 94.96	\$ 97.81
25	System Administrator	3	\$ 99.41	\$ 102.39	\$ 105.46	\$ 108.62
26	System Operator	2	\$ 65.26	\$ 67.22	\$ 69.24	\$ 71.32
27	Senior Training Specialist	5	\$ 103.29	\$ 106.39	\$ 109.58	\$ 112.87
28	Training Specialist	2	\$ 63.82	\$ 65.73	\$ 67.70	\$ 69.73
29	Help Desk Manager	5	\$ 71.89	\$ 74.05	\$ 76.27	\$ 78.56
30	Help Desk Specialist	3	\$ 52.30	\$ 53.87	\$ 55.49	\$ 57.15
31	Hardware Specialist	4	\$ 57.76	\$ 59.49	\$ 61.27	\$ 63.11
32	Senior Hardware Installation Technician	6	\$ 69.86	\$ 71.96	\$ 74.12	\$ 76.34
33	Hardware Installation Technician	3	\$ 62.21	\$ 64.08	\$ 66.00	\$ 67.98
34	Hardware Draftsman	4	\$ 54.34	\$ 55.97	\$ 57.65	\$ 59.38
35	Senior Network Installation Technician	5	\$ 89.23	\$ 91.91	\$ 94.67	\$ 97.51
36	Network Installation Technician	3	\$ 56.73	\$ 58.43	\$ 60.18	\$ 61.99
37	Network Draftsman	4	\$ 56.86	\$ 58.57	\$ 60.33	\$ 62.14
38	Communications Network Manager	5	\$ 96.79	\$ 99.69	\$ 102.68	\$ 105.76
39	Communications Specialist	4	\$ 73.79	\$ 76.00	\$ 78.28	\$ 80.63

DIGICON CORPORATION CONTRACTOR SITE RATES						
Item #	Labor Category	Years Exp	Option Period 3			
			10/27/13 - 10/26/14	10/27/14 - 10/26/15	10/27/15 - 10/26/16	10/27/16 - 10/26/17
40	Principal Business Process Reengineering Specialist	8	\$ 111.84	\$ 115.20	\$ 118.66	\$ 122.22
41	Senior Business Process Reengineering Specialist	7	\$ 99.29	\$ 102.27	\$ 105.34	\$ 108.50
42	Cost Analyst	4	\$ 73.32	\$ 75.52	\$ 77.79	\$ 80.12
43	Data Standardization Specialist	2	\$ 74.58	\$ 76.82	\$ 79.12	\$ 81.49
44	Documentation Specialist	2	\$ 49.13	\$ 50.60	\$ 52.12	\$ 53.68
45	Technical Writer/Editor	1	\$ 65.82	\$ 67.79	\$ 69.82	\$ 71.91
46	Senior Computer Security System Specialist	8	\$ 157.72	\$ 162.45	\$ 167.32	\$ 172.34
47	Computer Security System Specialist	6	\$ 83.20	\$ 85.70	\$ 88.27	\$ 90.92
48	Administrative Support and Graphics Specialist	1	\$ 64.55	\$ 66.49	\$ 68.48	\$ 70.53
49	Electronic Meeting Technographer	1	\$ 58.90	\$ 60.67	\$ 62.49	\$ 64.36
50	Senior Program Manager	10	\$ 206.56	\$ 212.76	\$ 219.14	\$ 225.71
51	Senior Project Manager	6	\$ 109.27	\$ 112.55	\$ 115.93	\$ 119.41
52	Senior Quality Assurance Manager	7	\$ 98.99	\$ 101.96	\$ 105.02	\$ 108.17
53	Senior Technical Writer / Editor	3	\$ 84.92	\$ 87.47	\$ 90.09	\$ 92.79
54	Senior Administrative Assistant	3	\$ 56.51	\$ 58.21	\$ 59.96	\$ 61.76
55	Administrative Assistant	1	\$ 41.87	\$ 43.13	\$ 44.42	\$ 45.75
56	Senior Principal Business Process Reengineering Specialist	10	\$ 159.92	\$ 164.72	\$ 169.66	\$ 174.75
57	Principal Specialist/Scientist	8	\$ 170.19	\$ 175.30	\$ 180.56	\$ 185.98
58	Senior Specialist/Scientist	6	\$ 143.49	\$ 147.79	\$ 152.22	\$ 156.79
59	Specialist/Scientist	4	\$ 121.94	\$ 125.60	\$ 129.37	\$ 133.25
60	Principal Software Engineer	5	\$ 172.96	\$ 178.15	\$ 183.49	\$ 188.99
61	Senior Software Engineer	3	\$ 136.57	\$ 140.67	\$ 144.89	\$ 149.24
62	Software Engineer	2	\$ 107.12	\$ 110.33	\$ 113.64	\$ 117.05
63	Junior Software Engineer	1	\$ 52.90	\$ 54.49	\$ 56.12	\$ 57.80
64	Information Engineer	3	\$ 91.28	\$ 94.02	\$ 96.84	\$ 99.75
65	Principal Programmer/Analyst	6	\$ 158.95	\$ 163.72	\$ 168.63	\$ 173.69
66	Senior Programmer/Analyst	4	\$ 97.26	\$ 100.18	\$ 103.19	\$ 106.29
67	Programmer/Analyst	2	\$ 88.64	\$ 91.30	\$ 94.04	\$ 96.86
68	Junior Programmer/Analyst	2	\$ 72.19	\$ 74.36	\$ 76.59	\$ 78.89
69	Principal Networking Specialist	4	\$ 219.89	\$ 226.49	\$ 233.28	\$ 240.28
70	Senior Networking Specialist	2	\$ 182.60	\$ 188.08	\$ 193.72	\$ 199.53
71	Networking Specialist	1	\$ 165.05	\$ 170.00	\$ 175.10	\$ 180.35
72	Principal Network Engineer	5	\$ 140.90	\$ 145.13	\$ 149.48	\$ 153.96
73	Senior Network Engineer	3	\$ 114.39	\$ 117.82	\$ 121.35	\$ 124.99
74	Network Engineer	1	\$ 102.45	\$ 105.52	\$ 108.69	\$ 111.95
75	Junior Network Engineer	1	\$ 72.00	\$ 74.16	\$ 76.38	\$ 78.67

DIGICON CORPORATION CONTRACTOR SITE RATES						
Item #	Labor Category	Years Exp	Option Period 3			
			10/27/13 - 10/26/14	10/27/14 - 10/26/15	10/27/15 - 10/26/16	10/27/16 - 10/26/17
76	Principal Systems Engineer	4	\$ 170.02	\$ 175.12	\$ 180.37	\$ 185.78
77	Senior Systems Engineer	3	\$ 129.29	\$ 133.17	\$ 137.17	\$ 141.29
78	Systems Engineer	2	\$ 118.49	\$ 122.04	\$ 125.70	\$ 129.47
79	Junior Hardware Installation Technician	2	\$ 49.66	\$ 51.15	\$ 52.68	\$ 54.26
80	Senior Operations Manager	7	\$ 113.29	\$ 116.69	\$ 120.19	\$ 123.80
81	Operations / Technical Support Analyst	1	\$ 93.51	\$ 96.32	\$ 99.21	\$ 102.19
82	Operations Scheduler / Coordinator	2	\$ 68.60	\$ 70.66	\$ 72.78	\$ 74.96
83	Senior System Operator	3	\$ 87.01	\$ 89.62	\$ 92.31	\$ 95.08
84	Senior Database Administrator	6	\$ 118.49	\$ 122.04	\$ 125.70	\$ 129.47
85	Database Administrator	5	\$ 103.31	\$ 106.41	\$ 109.60	\$ 112.89
86	Security Manager	4	\$ 107.97	\$ 111.21	\$ 114.55	\$ 117.99
87	Computer Security Monitor	3	\$ 80.75	\$ 83.17	\$ 85.67	\$ 88.24
88	Principal Network Administrator	6	\$ 131.28	\$ 135.22	\$ 139.28	\$ 143.46
89	Senior Network Administrator	4	\$ 113.66	\$ 117.07	\$ 120.58	\$ 124.20
90	Network Administrator	2	\$ 92.86	\$ 95.65	\$ 98.52	\$ 101.48
91	Senior Network Technician	4	\$ 83.31	\$ 85.81	\$ 88.38	\$ 91.03
92	Network Technician	2	\$ 65.36	\$ 67.32	\$ 69.34	\$ 71.42
93	Junior Network Technician	2	\$ 49.73	\$ 51.22	\$ 52.76	\$ 54.34
94	Network Operations Specialist	1	\$ 61.31	\$ 63.15	\$ 65.04	\$ 66.99
95	Engineering Technician Installer	4	\$ 86.43	\$ 89.02	\$ 91.69	\$ 94.44
96	Principal Consultant	10	\$ 390.61	\$ 402.33	\$ 414.40	\$ 426.83
97	Senior Consultant	10	\$ 285.19	\$ 293.75	\$ 302.56	\$ 311.64
98	Consultant	8	\$ 180.93	\$ 186.36	\$ 191.95	\$ 197.71

DIGICON CORPORATION GOVERNMENT SITE RATES						
Item #	Labor Category	Years Exp	Option Period 3			
			10/27/13 - 10/26/14	10/27/14 - 10/26/15	10/27/15 - 10/26/16	10/27/16 - 10/26/17
01	Program Manager	10	\$ 123.25	\$ 126.95	\$ 130.76	\$ 134.68
02	Project Manager	6	\$ 86.30	\$ 88.89	\$ 91.56	\$ 94.31
03	Quality Assurance Manager	5	\$ 82.09	\$ 84.55	\$ 87.09	\$ 89.70
04	Quality Assurance Analyst	3	\$ 59.52	\$ 61.31	\$ 63.15	\$ 65.04
05	Project Control Specialist	3	\$ 70.85	\$ 72.98	\$ 75.17	\$ 77.43
06	Program Administration Specialist	2	\$ 70.96	\$ 73.09	\$ 75.28	\$ 77.54
07	Senior Functional Analyst	8	\$ 85.45	\$ 88.01	\$ 90.65	\$ 93.37
08	Functional Analyst	3	\$ 61.30	\$ 63.14	\$ 65.03	\$ 66.98
09	Principal Systems Architect	7	\$ 107.55	\$ 110.78	\$ 114.10	\$ 117.52
10	Senior Systems Architect	8	\$ 87.16	\$ 89.77	\$ 92.46	\$ 95.23
11	Principal Information Engineer	7	\$ 94.37	\$ 97.20	\$ 100.12	\$ 103.12
12	Senior Information Engineer	8	\$ 83.37	\$ 85.87	\$ 88.45	\$ 91.10
13	Senior Computer Systems Analyst	8	\$ 101.94	\$ 105.00	\$ 108.15	\$ 111.39
14	Computer Systems Analyst	4	\$ 67.54	\$ 69.57	\$ 71.66	\$ 73.81
15	Junior Computer Systems Analyst	<1	\$ 51.73	\$ 53.28	\$ 54.88	\$ 56.53
16	Senior Application Engineer	8	\$ 130.89	\$ 134.82	\$ 138.86	\$ 143.03
17	Applications Engineer	4	\$ 74.73	\$ 76.97	\$ 79.28	\$ 81.66
18	Application Programmer	3	\$ 96.39	\$ 99.28	\$ 102.26	\$ 105.33
19	Junior Application Programmer	<1	\$ 53.76	\$ 55.37	\$ 57.03	\$ 58.74
20	Student Application Engineer	<1	\$ 37.06	\$ 38.17	\$ 39.32	\$ 40.50
21	Senior Database Management Specialist	8	\$ 108.95	\$ 112.22	\$ 115.59	\$ 119.06
22	Database Management Specialist	4	\$ 69.71	\$ 71.80	\$ 73.95	\$ 76.17
23	Data Entry Clerk	1	\$ 28.37	\$ 29.22	\$ 30.10	\$ 31.00
24	Operations Manager	5	\$ 79.97	\$ 82.37	\$ 84.84	\$ 87.39
25	System Administrator	3	\$ 72.71	\$ 74.89	\$ 77.14	\$ 79.45
26	System Operator	2	\$ 58.35	\$ 60.10	\$ 61.90	\$ 63.76
27	Senior Training Specialist	5	\$ 83.54	\$ 86.05	\$ 88.63	\$ 91.29
28	Training Specialist	2	\$ 56.02	\$ 57.70	\$ 59.43	\$ 61.21
29	Help Desk Manager	5	\$ 67.56	\$ 69.59	\$ 71.68	\$ 73.83
30	Help Desk Specialist	3	\$ 45.85	\$ 47.23	\$ 48.65	\$ 50.11
31	Hardware Specialist	4	\$ 48.43	\$ 49.88	\$ 51.38	\$ 52.92
32	Senior Hardware Installation Technician	6	\$ 62.38	\$ 64.25	\$ 66.18	\$ 68.17
33	Hardware Installation Technician	3	\$ 52.71	\$ 54.29	\$ 55.92	\$ 57.60
34	Hardware Draftsman	4	\$ 50.89	\$ 52.42	\$ 53.99	\$ 55.61
35	Senior Network Installation Technician	5	\$ 61.54	\$ 63.39	\$ 65.29	\$ 67.25
36	Network Installation Technician	3	\$ 48.39	\$ 49.84	\$ 51.34	\$ 52.88
37	Network Draftsman	4	\$ 49.30	\$ 50.78	\$ 52.30	\$ 53.87
38	Communications Network Manager	5	\$ 88.56	\$ 91.22	\$ 93.96	\$ 96.78
39	Communications Specialist	4	\$ 64.55	\$ 66.49	\$ 68.48	\$ 70.53

DIGICON CORPORATION GOVERNMENT SITE RATES						
Item #	Labor Category	Years Exp	Option Period 3			
			10/27/13 - 10/26/14	10/27/14 - 10/26/15	10/27/15 - 10/26/16	10/27/16 - 10/26/17
40	Principal Business Process Reengineering Specialist	8	\$ 103.96	\$ 107.08	\$ 110.29	\$ 113.60
41	Senior Business Process Reengineering Specialist	7	\$ 88.92	\$ 91.59	\$ 94.34	\$ 97.17
42	Cost Analyst	4	\$ 68.05	\$ 70.09	\$ 72.19	\$ 74.36
43	Data Standardization Specialist	2	\$ 63.14	\$ 65.03	\$ 66.98	\$ 68.99
44	Documentation Specialist	2	\$ 49.84	\$ 51.34	\$ 52.88	\$ 54.47
45	Technical Writer/Editor	1	\$ 55.32	\$ 56.98	\$ 58.69	\$ 60.45
46	Senior Computer Security System Specialist	8	\$ 130.89	\$ 134.82	\$ 138.86	\$ 143.03
47	Computer Security System Specialist	6	\$ 80.89	\$ 83.32	\$ 85.82	\$ 88.39
48	Administrative Support and Graphics Specialist	1	\$ 57.45	\$ 59.17	\$ 60.95	\$ 62.78
49	Electronic Meeting Technographer	1	\$ 52.59	\$ 54.17	\$ 55.80	\$ 57.47
50	Senior Program Manager	10	\$ 179.64	\$ 185.03	\$ 190.58	\$ 196.30
51	Senior Project Manager	6	\$ 101.63	\$ 104.68	\$ 107.82	\$ 111.05
52	Senior Quality Assurance Manager	7	\$ 92.08	\$ 94.84	\$ 97.69	\$ 100.62
53	Senior Technical Writer / Editor	3	\$ 73.82	\$ 76.03	\$ 78.31	\$ 80.66
54	Senior Administrative Assistant	3	\$ 51.78	\$ 53.33	\$ 54.93	\$ 56.58
55	Administrative Assistant	1	\$ 38.95	\$ 40.12	\$ 41.32	\$ 42.56
56	Senior Principal Business Process Reengineering Specialist	10	\$ 148.80	\$ 153.26	\$ 157.86	\$ 162.60
57	Principal Specialist/Scientist	8	\$ 155.95	\$ 160.63	\$ 165.45	\$ 170.41
58	Senior Specialist/Scientist	6	\$ 133.48	\$ 137.48	\$ 141.60	\$ 145.85
59	Specialist/Scientist	4	\$ 111.78	\$ 115.13	\$ 118.58	\$ 122.14
60	Principal Software Engineer	5	\$ 150.42	\$ 154.93	\$ 159.58	\$ 164.37
61	Senior Software Engineer	3	\$ 118.88	\$ 122.45	\$ 126.12	\$ 129.90
62	Software Engineer	2	\$ 93.25	\$ 96.05	\$ 98.93	\$ 101.90
63	Junior Software Engineer	1	\$ 48.40	\$ 49.85	\$ 51.35	\$ 52.89
64	Information Engineer	3	\$ 84.93	\$ 87.48	\$ 90.10	\$ 92.80
65	Principal Programmer/Analyst	6	\$ 145.67	\$ 150.04	\$ 154.54	\$ 159.18
66	Senior Programmer/Analyst	4	\$ 89.18	\$ 91.86	\$ 94.62	\$ 97.46
67	Programmer/Analyst	2	\$ 81.25	\$ 83.69	\$ 86.20	\$ 88.79
68	Junior Programmer/Analyst	2	\$ 66.06	\$ 68.04	\$ 70.08	\$ 72.18
69	Principal Networking Specialist	4	\$ 204.62	\$ 210.76	\$ 217.08	\$ 223.59
70	Senior Networking Specialist	2	\$ 169.87	\$ 174.97	\$ 180.22	\$ 185.63
71	Networking Specialist	1	\$ 143.60	\$ 147.91	\$ 152.35	\$ 156.92
72	Principal Network Engineer	5	\$ 129.11	\$ 132.98	\$ 136.97	\$ 141.08
73	Senior Network Engineer	3	\$ 104.82	\$ 107.96	\$ 111.20	\$ 114.54
74	Network Engineer	1	\$ 96.50	\$ 99.40	\$ 102.38	\$ 105.45
75	Junior Network Engineer	1	\$ 65.99	\$ 67.97	\$ 70.01	\$ 72.11

DIGICON CORPORATION GOVERNMENT SITE RATES						
Item #	Labor Category	Years Exp	Option Period 3			
			10/27/13 - 10/26/14	10/27/14 - 10/26/15	10/27/15 - 10/26/16	10/27/16 - 10/26/17
76	Principal Systems Engineer	4	\$ 147.94	\$ 152.38	\$ 156.95	\$ 161.66
77	Senior Systems Engineer	3	\$ 120.22	\$ 123.83	\$ 127.54	\$ 131.37
78	Systems Engineer	2	\$ 103.05	\$ 106.14	\$ 109.32	\$ 112.60
79	Junior Hardware Installation Technician	2	\$ 45.45	\$ 46.81	\$ 48.21	\$ 49.66
80	Senior Operations Manager	7	\$ 105.40	\$ 108.56	\$ 111.82	\$ 115.17
81	Operations / Technical Support Analyst	1	\$ 81.44	\$ 83.88	\$ 86.40	\$ 88.99
82	Operations Scheduler / Coordinator	2	\$ 59.71	\$ 61.50	\$ 63.35	\$ 65.25
83	Senior System Operator	3	\$ 75.68	\$ 77.95	\$ 80.29	\$ 82.70
84	Senior Database Administrator	6	\$ 103.05	\$ 106.14	\$ 109.32	\$ 112.60
85	Database Administrator	5	\$ 89.99	\$ 92.69	\$ 95.47	\$ 98.33
86	Security Manager	4	\$ 100.49	\$ 103.50	\$ 106.61	\$ 109.81
87	Computer Security Monitor	3	\$ 75.10	\$ 77.35	\$ 79.67	\$ 82.06
88	Principal Network Administrator	6	\$ 114.25	\$ 117.68	\$ 121.21	\$ 124.85
89	Senior Network Administrator	4	\$ 98.85	\$ 101.82	\$ 104.87	\$ 108.02
90	Network Administrator	2	\$ 80.82	\$ 83.24	\$ 85.74	\$ 88.31
91	Senior Network Technician	4	\$ 76.20	\$ 78.49	\$ 80.84	\$ 83.27
92	Network Technician	2	\$ 59.80	\$ 61.59	\$ 63.44	\$ 65.34
93	Junior Network Technician	2	\$ 46.25	\$ 47.64	\$ 49.07	\$ 50.54
94	Network Operations Specialist	1	\$ 57.03	\$ 58.74	\$ 60.50	\$ 62.32
95	Engineering Technician Installer	4	\$ 75.21	\$ 77.47	\$ 79.79	\$ 82.18
96	Principal Consultant	10	\$ 339.88	\$ 350.08	\$ 360.58	\$ 371.40
97	Senior Consultant	10	\$ 265.33	\$ 273.29	\$ 281.49	\$ 289.93
98	Consultant	8	\$ 157.43	\$ 162.15	\$ 167.01	\$ 172.02

INFORMATION TECHNOLOGY LABOR CATEGORY DESCRIPTIONS

Unless otherwise stated within the Labor Category Description, the following substitutions will be acceptable.

Education that exceeds the minimum requirements for a position can be used to fulfill the minimum experience level.

REQUIRED EDUCATION	EDUCATION LEVEL ACHIEVED BY EMPLOYEE	ADDITIONAL YEARS OF EXPERIENCE CREDITED TO THE EMPLOYEE
MA/MS	Ph.D.	4
BA/BS	Ph.D.	6
BA/BS	MA/MS	2
HS/GED	BA/BS	4

Experience that exceeds the minimum requirements for a position can be used to fulfill the minimum education requirements.

ACTUAL EDUCATION	REQUIRED EDUCATION	ADDITIONAL YEARS EXPERIENCE NEEDED TO SUPPLEMENT EDUCATIONAL REQUIREMENTS
None	HS/GED	2
HS/GED	Tech-Inst./Military Training	2
HS/GED	BA/BS	4
HS/GED	MA/MS	6
HS/GED	Ph.D.	No equivalency
BA/BS	MA/MS	2
BA/BS	Ph.D.	6
MA/MS	Ph.D.	4

LABOR CATEGORY: PROGRAM MANAGER	
<p>A. <u>Functional Responsibility</u>: Serves as the contractor's single contract manager, and shall be the contractor's authorized interface with the Government Contracting Officer (CO), the Contracting Officer's Representative (COR), government management personnel and customer agency representatives. Responsible for formulating and enforcing work standards, assigning contractor schedules, reviewing work discrepancies, supervising contractor personnel and communicating policies, purposes, and goals of the organization to subordinates. Shall be responsible for the overall contract performance and shall not serve in any other capacity under this contract.</p>	
<p>B. <u>Minimum Education – Minimum/General Experience</u>: A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. This position requires a minimum of fifteen years experience, of which at least ten years must be specialized. Specialized experience includes: project development from inception to deployment, expertise in the management and control of funds and resources using complex reporting mechanisms, and demonstrated capability in managing multi-task contracts and/or subcontracts of various types and complexity. General experience includes increasing responsibilities in information systems design and/or management.</p> <ol style="list-style-type: none"> 1. With a Masters degree, thirteen years general experience of which at least nine years specialized experience is required. 2. With a Ph.D., twelve years general experience of which at least eight years must be specialized experience. 	
ITEM #: 01	
LABOR CATEGORY: PROJECT MANAGER	
<p>A. <u>Functional Responsibility</u>: Serves as the project manager for a large, complex delivery order (or a group of delivery orders affecting the same migratory or target system) and shall assist the program manager in working with the Government Contracting Officer (CO), the Contracting Officer's Representative (COR), the Contracting Officers Technical Representative(s) (COTR), government management personnel and customer agency representatives. Under the guidance of the Program Manager, responsible for the overall management of the specific delivery order(s) and insuring that the technical solutions and schedules in the delivery order are implemented in a timely manner. Performs enterprise wide horizontal integration planning and interfaces to other functional systems.</p>	
<p>B. <u>Minimum Education – Minimum/General Experience</u>: A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. This position requires a minimum of ten years experience of which at least six years must be specialized. Specialized experience includes: project development from inception to deployment, expertise in the management and control of funds and resources, and demonstrated capability in managing multi-task contracts and/or subcontracts of various types and complexity. General experience includes increasing responsibilities in information systems design and/or management.</p> <ol style="list-style-type: none"> 1. With a Master's Degree (in the fields described in B above): eight years of general experience of which at least five years specialized experience is required. 2. With a Ph.D. (in the fields described in B above) seven years of general experience of which at least four years specialized experience is required. 3. With fifteen years general experience of which at least twelve years is specialized experience, a degree is not required. 	
ITEM #: 02	
LABOR CATEGORY: QUALITY ASSURANCE MANAGER	
<p>A. <u>Functional Responsibility</u>: Establishes and maintains a process for evaluating software and associated documentation. Determines the resources required for quality control. Maintains the level of quality throughout the software life cycle. Conducts formal and informal reviews at pre-determined points throughout the development life cycle.</p>	

B. Minimum Education – Minimum/General Experience: A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. This position requires a minimum of eight years experience, of which at least five years must be specialized. Specialized experience includes: Configuration Management, verification and validation, software testing and integration, software metrics and their application to software quality assessment. General experience includes increasing responsibilities in quality assurance and quality control.

1. With a Master's Degree (in the fields described in B above): six years of general experience of which at least four years must be specialized experience.

2. With a Ph.D. (in the fields described in B above) five years of general experience is required of which at least three year must be specialized experience.

3. With fifteen years of general experience of which at least twelve years must be specialized experience, a degree in the fields described in B above) is not required.

ITEM #: 03

LABOR CATEGORY: QUALITY ASSURANCE ANALYST

A. Functional Responsibility: Provides technical and administrative direction for personnel performing software development tasks, including the review of work products for correctness, adherence to the design concept and to user standards, and for progress in accordance with schedules. Coordinates with the Program and/or Project Manager to ensure problem solution and user satisfaction. Makes recommendations, if needed, for approval of major systems installations. Prepares milestone status reports and deliveries/presentations on the system concept to colleagues, subordinates, and end user representatives. Provides daily supervision and direction to support staff.

B. Minimum Education - Minimum/General Experience: A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. This position requires a minimum of six years experience, of which at least three years must be specialized. Specialized experience includes: analysis and design of business applications on complex systems for large scale computers, data base management, use or the programming languages such as ADA, Cobol, 4GL, and/or DBMS. Knowledge of current storage and retrieval methods and demonstrated ability to formulate specifications for computer programmers to use in coding, testing, and debugging of computer programs. General experience includes increasing responsibilities in assignments of a technical nature. Proven ability to work independently or under only general direction on complex application problems involving all phases of systems analysis is required.

1. With a Master's Degree (in the fields described in B above): five years of general experience of which at least two year must be specialized experience is required.

2. With twelve years of general experience of which at least ten years must be specialized experience, a degree is not required.

ITEM #: 04

LABOR CATEGORY: PROJECT CONTROL SPECIALIST

A. Functional Responsibility: Directs all financial management and administrative activities, such as budgeting, manpower and resource planning, and financial reporting. Performs complex evaluations of existing procedures, processes, techniques, models, and/or systems related to management problems or contractual issues which would require a report and recommend solutions. Develops work breakdown structures, prepare charts, tables, graphs, and diagrams to assist in analyzing problems. Provides daily supervision and direction to staff.

B. Minimum Education – Minimum/General Experience: A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, Accounting, or other related discipline. This position requires a minimum of six years experience, of which at least three years must be specialized. Specialized experience includes: preparation and analysis of financial statements, development of complex project schedules. General experience includes increasing responsibilities in general accounting or management activities. Must demonstrate the ability to work independently or under only general direction.

<p>1. With a Master's Degree (in the fields described in B above): four years of general experience of which at least two years must be specialized experience is required.</p> <p>2. With twelve years of general experience of which at least ten years of specialized experience, a degree is not required.</p>
ITEM #: 05
LABOR CATEGORY: PROGRAM ADMINISTRATION SPECIALIST
A. <u>Functional Responsibility</u> : Assists in the preparation of management plans and reports. Coordinates schedules to facilitate completion of proposals, contract deliverables, delivery order review, briefings/presentations, and APR preparation. Performs analysis, development, and review of program administrative operating procedures.
B. <u>Minimum Education - Minimum/General Experience</u> : Requires a high school diploma with a minimum of four years experience, of which at least two years must be specialized. Specialized experience in general contract administration. Works with limited supervision and direction. Required to use judgment and initiative in problem solving.
<p>1. With an Associate's degree in Computer Science or Business, two years of general experience of which at least one years must be specialized experience.</p> <p>2. With A Bachelor's degree in any field, will require one year of general experience and one year of specialized experience.</p>
ITEM #: 06
LABOR CATEGORY: SENIOR FUNCTIONAL ANALYST
A. <u>Functional Responsibility</u> : Analyze user needs to determine functional and cross functional requirements. Performs functional allocation to identify required tasks and their interrelationships. Identifies resources required for each task. Provides daily supervision and direction to support staff.
B. <u>Minimum Education - Minimum/General Experience</u> : A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related disciplines. This position requires a minimum of ten years experience, of which at least eight years must be specialized. Specialized experience includes: developing functional requirements for complex integrated ADP systems. Must demonstrate the ability to work independently or under only general direction.
<p>1. With a Master's Degree (in the fields described in B above): eight years of general experience of which at least six years must be specialized experience is required.</p> <p>2. With fifteen years of general experience of which at least twelve years of specialized experience, a degree is not required.</p>
ITEM #: 07
LABOR CATEGORY: FUNCTIONAL ANALYST
A. <u>Functional Responsibility</u> : Analyze user needs to determine functional and cross functional requirements. Performs functional allocation to identify required tasks and their interrelationships. Identifies resources required for each task.
B. <u>Minimum Education - Minimum/General Experience</u> : A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. This position requires a minimum of six years experience, of which at least three years must be specialized. Specialized experience includes: developing functional requirements for complex integrated ADP systems. Must demonstrate the ability to work independently or under only general direction.
<p>1. With a Master's Degree (in the fields described in B above): four years of general experience of which at least two at least years must be specialized experience is required.</p>

2. With fifteen years of general experience of which at least ten years must be specialized experience, a degree is not required.
ITEM #: 08
LABOR CATEGORY: PRINCIPAL SYSTEMS ARCHITECT
<p>A. Functional Responsibility: Establishes system information requirements using analysis of the information engineer(s) in the development of enterprise-wide or large scale information systems. Designs architecture to include the software, hardware, and communications to support the total requirements as well as provide for present and future cross-functional requirements and interfaces. Ensures these systems are compatible and in compliance with the standards for open systems architectures, the Open Systems Interconnection (OSI) and International Standards Organization (ISO) reference models and profiles of standards - such as Institute of Electrical and Electronic Engineers (IEEE) Open Systems Environment (OSE) reference model - as they apply to the implementation and specification of Information Management (IM) solution of the application platform, across the application program interface (API), and the external environment/software application. Ensures that the common operating environment is TAFIM compliant. Evaluates analytically and systematically problems of work flows, organization, and planning and develops appropriate corrective action. Provides daily supervision and direction to staff.</p> <p>B. Minimum Education - Minimum/General Experience: A Master's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. This position requires a minimum of ten years experience, of which at least seven years must be specialized. Specialized experience includes: supervision of system architects, use of structured analysis, design methodologies and design tools (such as IDEF1x, entity relationship diagrams, and other design techniques), object oriented principles, and experience with the logical and physical functional, operational, and technical architecture of large and complex information systems. General experience includes increasing responsibilities in systems engineering.</p> <p>1. With a Ph.D. (in the fields described in B above): eight years of general experience is required of which at least six years must be specialized experience.</p>
ITEM #: 09
LABOR CATEGORY: SENIOR SYSTEMS ARCHITECT
<p>A. Functional Responsibility: Establishes system information requirements using analysis of the information engineer(s) in the development of enterprise-wide or large scale information systems. Designs architecture to include the software, hardware, and communications to support the total requirements as well as provide for present and future cross-functional requirements and interfaces. Ensures these systems are compatible and in compliance with the standards for open systems architectures, the Open Systems Interconnection (OSI) and International Standards Organization (ISO) reference models, and profiles of standards - such as Institute of Electrical and Electronic Engineers (IEEE) Open Systems Environment (OSE) reference model - as they apply to the implementation and specification of Information Management (IM) solution of the application platform, across the application program interface (API), and the external environment/software application. Ensures that the common operating environment is TAFIM compliant. Evaluates analytically and systematically problems of work flows, organization, and planning and develops appropriate corrective action. Provides daily supervision and direction to staff.</p> <p>B. Minimum Education - Minimum/General Experience: Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. This position requires a minimum of ten years experience, of which at least eight years must be specialized. Specialized experience includes: supervision of system architects, use of structured analysis, design methodologies and design tools (such as IDEF1x, entity relationship diagrams), and other design techniques, object oriented principles, and experience with the logical and physical functional, operational, and technical architecture of large and complex information systems.</p> <p>1. With a Masters Degree (in the fields described in B above): eight years general experience of which at least six years must be specialized experience is required.</p> <p>2. With a Ph.D. (in the fields described in B above) six years of general experience is required of which at</p>

<p>least five year must be specialized experience.</p> <p>3. With fifteen years of general experience of which at least twelve years must be specialized experience, a degree is not required.</p>
ITEM #: 10
LABOR CATEGORY: PRINCIPAL INFORMATION ENGINEER
<p>A. <u>Functional Responsibility</u>: Applies an enterprise-wide set of disciplines for the planning, analysis, design and construction of information systems on an enterprise-wide basis or across a major sector of the enterprise. Develops analytical and computational techniques and methodology for problem solutions. Performs enterprise wide strategic systems planning, business information planning, and business analysis. Performs process and data modeling in support of the planning and analysis efforts using both manual and automated tools; such as Integrated Computer-Aided Software Engineering (I-CASE) tools. Applies reverse engineering and reengineering disciplines to develop migration strategic and planning documents. Provides technical guidance in software engineering techniques and automated support tools.</p>
<p>B. <u>Minimum Education - Minimum/General Experience</u>: A Master of Sciences degree in Computer Science, Information Systems, Engineering, or other related discipline. This position requires ten years experience in information systems development, functional and data requirements analysis, systems analysis and design, programming, program design and documentation preparation. A minimum of seven years specialized experience is required in the following: demonstrated experience in managing the implementation of information engineering projects and experience in systems analysis, design and programming using CASE and IE tools and methods, e.g., Oracle CASE, IEF CASE, I-CASE. Demonstrated experience in the client/server environment. Proven managerial and supervisory skills. Demonstrated exceptional written and oral communications skills, including giving formal presentations to different audiences. Must demonstrate the ability to work independently or under only general direction.</p> <p>1. With a Ph.D. (in the fields described in B above): eight years of general experience is required of which at least six years of specialized experience is required.</p>
ITEM #: 11
LABOR CATEGORY: SENIOR INFORMATION ENGINEER
<p>A. <u>Functional Responsibility</u>: Applies business process improvement practices to reengineer methodologies/principles and business process modernization projects. Applies, as appropriate, activity and data modeling, transaction flow analysis, internal control and risk analysis and modern business methods and performance measurement techniques. Assist in establishing standards for information systems procedures. Develops and applies organization-wide information models for use in designing and building integrated shared software and database management systems. Constructs sound, logical business improvement opportunities consistent with the Corporate Information Management (CIM) guiding principles, cost savings, and open system architecture objectives. Provides daily supervision and direction to staff.</p>
<p>B. <u>Minimum Education - Minimum/General Experience</u>: A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. This position requires a minimum of ten years experience, of which at least eight years must be specialized. Specialized experience, in information systems development, functional and data requirements analysis, systems analysis and design, programming, program design and documentation preparation. The following experience is also required: demonstrated experience in the implementation of information engineering projects; systems analysis, design and programming using CASE and IE tools and methods, systems planning, business information planning, and business analysis. Must demonstrate the ability to work independently or under only general direction.</p> <p>1. With a Master's Degree (in the fields described in B above) eight years general experience of which at least six years must be specialized experience is required.</p>

2. With a Ph.D. (in the fields described in B above) six years of general experience is required of which at least five year must be specialized

3. With fifteen years of general experience of which at least twelve years must be specialized experience, a degree is not required.

ITEM #: 12

LABOR CATEGORY: SENIOR COMPUTER SYSTEMS ANALYST

A. **Functional Responsibility:** Provides technical and administrative direction for personnel performing software development tasks, including the review of work products for correctness, adherence to the design concept and to user standards, and for progress in accordance with schedules. Coordinates with the Project and/or Program Manager to ensure problem solution and user satisfaction. Makes recommendations if needed. for approval of major system installations. Prepares milestone status reports and deliveries/presentations on the system concept to colleagues, subordinates, and end user representatives. Provides daily supervision and direction to support staff.

B. **Minimum Education - Minimum/General Experience:** A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. This position requires a minimum of ten years experience, of which at least eight years must be specialized. Specialized experience includes: analysis and design of business applications on complex systems for large scale computers, data base management, use of programming languages such as ADA, Cobol, 4GL, and/or DBMS. Knowledge of current storage and retrieval methods and demonstrated ability to formulate specifications for computer programmers to use in coding, testing, and debugging of computer programs. General experience includes increasing responsibilities in assignments of a technical nature. Proven ability to work independently or under only general direction on complex application problems involving all phases of systems analysis is required.

1. With a Master's Degree (in the fields described in B above): eight years general experience of which at least six years must be specialized experiences required.

2. With a Ph.D. (in the fields described in B above) a minimum six years of general experience is required of which at least five years must be specialized.

3. With fifteen years of general experience of which at least twelve years must be specialized experience, a degree is not required.

ITEM #: 13

LABOR CATEGORY: COMPUTER SYSTEMS ANALYST

A. **Functional Responsibility:** Analyzes and develops computer software possessing a wide range of capabilities, including numerous engineering, business, and records management functions. Develops plans for automated information systems from project inception to conclusion. Analyzes the problem and the information to be processed. Defines the problem, and develops system requirements and program specifications, from which programmers prepare detailed flow charts, programs, and tests. Coordinates closely with programmers to ensure proper implementation of program and system specifications. Develops, in conjunction with functional users, system alternative solutions.

B. Minimum Education - Minimum/General Experience: A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. This position requires a minimum of six years experience, of which at least four years must be specialized. Specialized experience includes: analysis and design of business applications on complex systems for large-scale computers, including three years experience in data base management concepts, use of the programming languages such as ADA, COBOL, 4GL, and/or DBMS. Knowledge of current storage and retrieval methods, one year of systems analysis experience designing technical applications on computer systems and demonstrated ability to formulate specifications for computer programmers to use in coding, testing, and debugging of computer programs. General experience includes increasing responsibilities in information systems design and management. Must demonstrate the ability to work independently or under only general direction on requirements that are moderately complex to analyze, plan, program, and implement.

1. With a Master's Degree (in the fields described in B above): four years general experience of which at least three years must be specialized experience.

2. With twelve years of general experience of which at least ten years must be specialized experience, a degree is not required.

ITEM #: 14

LABOR CATEGORY: JUNIOR COMPUTER SYSTEMS ANALYST

A. Functional Responsibility: Analyzes information requirements. Evaluates analytically and systematically problems of workflows, organization, and planning and assists Senior Computer Systems Analyst and Computer Systems Analyst develop appropriate corrective action. Helps develop plans for automated information systems from project inception to conclusion. Defines the problem, and develops system requirements and program specifications, from which programmers prepare detailed flow charts, programs, and tests. Under the supervision of a Senior Computer Systems Analyst or a Computer Systems Analyst coordinates closely with programmers to ensure proper implementation of program and system specifications. Develops, in conjunction with functional users, system alternative solutions.

B. Minimum Education – Minimum/General Experience: A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. This position is for recent college graduates and requires no experience.

ITEM #: 15

LABOR CATEGORY: SENIOR APPLICATIONS ENGINEER

A. Functional Responsibility: Analyzes and studies complex system requirements. Designs software tools and subsystems to support software reuse and domain analyses and manages their implementation. Manages software development and support using formal specifications, data flow diagrams, other accepted design techniques and Computer Aided Software Engineering (CASE) tools. Estimates software development costs and schedule. Reviews existing programs and assists in making refinements, reducing operating time, and improving current techniques. Supervises software configuration management.

B. Minimum Education - Minimum/General Experience: A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. This position requires a minimum of ten years experience managing or performing software engineering activities, of which at least eight years must be specialized. Specialized experience includes: demonstrated experience working with ADA, SQL, and third/fourth generation languages in the design and implementation of systems and using database management systems. General experience includes increasing responsibilities in software engineering activities. Knowledgeable of applicable standards.

1. With a Master's Degree (in the fields described in B above): eight years general experience of which at least six years must be specialized experience is required.

2. With fifteen years of general experience of which at least twelve years must be specialized experience, a degree is not required.

ITEM #: 16
LABOR CATEGORY: APPLICATIONS ENGINEER
<p>A. <u>Functional Responsibility</u>: Analyzes functional business applications and design specifications for functional activities. Develops block diagrams and logic flow charts. Translates detailed design into computer software. Tests, debugs, and refines the computer software to produce the required product. Prepares required documentation, including both program-level and user-level documentation. Enhances software to reduce operating time or improve efficiency. Provides technical direction to programmers to ensure program deadlines are met</p>
<p>B. <u>Minimum Education - Minimum/General Experience</u>: A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. This position requires a minimum of six years experience, of which at least four years must be specialized. Specialized experience includes: experience as an applications programmer on large scale data base management systems, knowledge of computer equipment and ability to develop complex software to satisfy design objectives. Demonstrated ability to work independently or under only general direction.</p> <ol style="list-style-type: none"> 1. With a Master's Degree (in the fields described in B above): four years general experience of which at least three years must be specialized experience is required. 2. With twelve years of general experience of which at least ten years must be specialized experience, a degree is not required.
ITEM #: 17
LABOR CATEGORY: APPLICATION PROGRAMMER
<p>A. <u>Functional Responsibility</u>: Analyzes functional, business applications and design specifications for functional activities. Develops block diagrams and logic flow charts. Translates detailed design into computer software. Tests, debugs, and refines the computer software to produce the required product. Prepares required documentation, including both program-level and user-level documentation. Enhances software to reduce operating time or improve efficiency. Provides technical direction to programmers to ensure program deadlines are met.</p>
<p>B. <u>Minimum Education - Minimum/General Experience</u>: A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. This position requires a minimum of five years experience, of which at least three years must be specialized. Specialized experience includes: experience as an applications programmer on large-scale data base management systems, knowledge of computer equipment and ability to develop complex software to satisfy design objectives. Demonstrated ability to work independently or under only general direction.</p> <ol style="list-style-type: none"> 1. With a Masters degree (in the fields described in B above) four years general experience of which at least two years must be specialized experience. 2. With twelve years of general experience of which at least ten years must be specialized experience, a degree is not required.
ITEM #: 18
LABOR CATEGORY: JUNIOR APPLICATION PROGRAMMER
<p>A. <u>Functional Responsibility</u>: Participates in the design of software tools and subsystems to support reuse and domain analysis. Assists Applications Engineer and Applications Programmer to interpret software requirements and design specifications to code, and integrate and test software components.</p>
<p>B. <u>Minimum Education - Minimum/General Experience</u>: A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. This position is for recent college graduates and requires no experience.</p>
ITEM #: 19

LABOR CATEGORY: STUDENT APPLICATIONS ENGINEER	
A. <u>Functional Responsibility</u> : Assists with the analysis of information requirements. Aids in the evaluation of problems with workflow, organization, and planning and helps develop appropriate corrective action.	
B. <u>Minimum Education - Minimum/General Experience</u> : Currently enrolled as a full time student at a University or college and is majoring in Computer Science, Information Systems, Engineering, Business, or other related discipline. This position is limited to part-time or summer-hire students.	
ITEM #: 20	
LABOR CATEGORY: SENIOR DATABASE MANAGEMENT SPECIALIST	
A. <u>Functional Responsibility</u> : Manages the development of data base projects. Plans and budgets staff and data base resources. When necessary, reallocates resources to maximize benefits. Prepares and delivers presentations on data base management systems (DBMS) concepts. Provides daily supervision and direction to support staff.	
B. <u>Minimum Education – Minimum/General Experience</u> : A Bachelors degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. This position requires a minimum of ten years experience, of which at least eight years must be specialized. Specialized experience includes: demonstrated experience with DBMS design and system analysis, current operating systems software internals and data manipulation languages. General experience includes increasing responsibilities in the development and maintenance of data base systems.	
<ol style="list-style-type: none"> 1. With a Master's Degree (in the fields described in B above): eight years general experience of which at least six years must be specialized experience is required. 2. With fifteen years of general experience of which at least twelve years must be specialized experience, a degree is not required. 	
ITEM #: 21	
LABOR CATEGORY: DATABASE MANAGEMENT SPECIALIST	
A. <u>Functional Responsibility</u> : Provides highly technical expertise in the use of DBMS. Evaluates and recommends available DBMS products to support validated user requirements. Defines file organization, indexing methods, and security procedures for specific user applications.	
B. <u>Minimum Education - Minimum/General Experience</u> : A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. This position requires a minimum of six years experience, of which at least four years must be specialized. Specialized experience includes: demonstrated experience using current DBMS's technologies, application design utilizing various DBMS and experience with DBMS internals. General experience includes increasing responsibilities in DBMS systems analysis and programming. Demonstrated ability to work independently or under only general direction.	
<ol style="list-style-type: none"> 1. With a Master's Degree (in the fields described in B above): four years general experience of which at least three years must be specialized experience is required. 2. With twelve years of general experience of which at least ten years must be specialized experience, a degree is not required. 	
ITEM #: 22	
LABOR CATEGORY: DATA ENTRY CLERK	
A. <u>Functional Responsibility</u> : Performs data entry via on-line data terminal, key-to-tape, key-to-disk, or similar device. Verifies data entered, where applicable.	
B. <u>Minimum Education - Minimum/General Experience</u> : Requires a high school diploma and one year experience in data entry and verification. Typically required to work under close supervision and direction. An Associate of Arts	

(AA) degree in Computer Science or related study will be considered equivalent to one half (1/2) year of general experience. Formal specialized training may be substituted on the basis of one month of training for one month of experience, not to exceed three months.	
ITEM #: 23	
LABOR CATEGORY: OPERATIONS MANAGER	
A. <u>Functional Responsibility</u> : Manage computer operations. Schedules machine time and directs data entry efforts. Provides users with computer output. Supervises staff operations	
B. <u>Minimum Education - Minimum/General Experience</u> : A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. This position requires a minimum of seven years experience, of which at least five years must be specialized. Specialized experience includes: supervision and operations experience on a large-scale computer system, knowledge of hardware, software and operating systems. General experience includes operations experience on a large scale computer system or a multi-server local area network.	
<ol style="list-style-type: none"> 1. With a Master's Degree (in the fields described in B above): five years general experience of which at least three years must be specialized experience is required. 2. With fifteen years of general experience of which at least twelve years must be specialized experience, a degree is not required 	
ITEM #: 24	
LABOR CATEGORY: SYSTEM ADMINISTRATOR	
A. <u>Functional Responsibility</u> : Supervises and manages the daily activities of configuration and operation of business systems which may be mainframe, mini, or client/server based. Optimizes system operation and resource utilization, and performs system capacity analysis and planning. Provides assistance to users in accessing and using business systems.	
B. <u>Minimum Education - Minimum/General Experience</u> : A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. This position requires a minimum of four years experience, of which at least three years must be specialized experience in administrating UNIX or open systems-compliant systems. General experience includes operations experience on a large-scale computer system or a multi-server local area network.	
<ol style="list-style-type: none"> 1. With a Master's Degree (in the fields described in B above): three years general experience of which at least two years must be specialized experience. 2. With twelve years general experience of which ten years is specialized, a degree is not required. 	
ITEM #: 25	
LABOR CATEGORY: SYSTEM OPERATOR	
A. <u>Functional Responsibility</u> : Monitors and supports computer processing. Coordinates input, output, and file media. Distributes output and controls computer operation which may be mainframe, mini, or client/server based.	
B. <u>Minimum Education - Minimum/General Experience</u> : An Associate's Degree in Computer Science, Information Systems, Engineering, Business, or other related discipline is required. This position requires a minimum of three years experience, of which at least two years must be specialized experience operating a large-scale computer system or a multi-server local area network. Must demonstrate sufficient knowledge of programming to understand how programs use computer hardware.	
<ol style="list-style-type: none"> 1. With a Bachelor's Degree (in the fields described in B above): two years general experience of which at least one year must be specialized experience. 	

2. With ten years general experience of which at least seven years is specialized, a degree is not required.
ITEM #: 26
LABOR CATEGORY: SENIOR TRAINING SPECIALIST
A. <u>Functional Responsibility</u> : Conducts the research necessary to develop and revise training courses and prepares appropriate training catalogs. Develops all instructor materials (course outline, background material, and training aids). Develops all student materials (course manuals, workbooks, handouts, completion certificates, and course critique forms). Trains personnel by conducting formal classroom courses, workshops, seminars, and/or computer based/computer aided training. Provides daily supervision and direction to staff.
B. <u>Minimum Education - Minimum/General Experience</u> : A BA or BS degree in any field. This position requires a minimum of seven years experience, of which at least five years must be specialized. Specialized experience includes: experience in developing and providing technical and end-user training on computer hardware and application software. Demonstrated ability to communicate orally and in writing. Demonstrated ability to work independently or under only general direction. <ol style="list-style-type: none"> 1. With a Masters Degree: six years general experience of which at least four years must be specialized experience is required. 2. With a Ph.D. four years general experience of which at least three years must be specialized. 3. With fifteen years general experience of which at least twelve years is specialized, a degree is not required.
ITEM #: 27
LABOR CATEGORY: TRAINING SPECIALIST
A. <u>Functional Responsibility</u> : Conducts the research necessary to develop and revise training courses. Develops and revises these courses and prepares appropriate training catalogs. Prepares instructor materials (course outline, background material, and training aids). Prepares student materials (course manuals, workbooks, handouts, completion certificates, and course critique forms). Trains personnel by conducting formal classroom courses, workshops and seminars.
B. <u>Minimum Education - Minimum/General Experience</u> : A BA or BS degree in any field. This position requires a minimum of four years experience, of which at least two years must be specialized. Specialized experience includes: experience in developing and providing technical and end-user training on computer hardware and application software. General experience includes information systems development, training, or related fields. Demonstrated ability to communicate orally and in writing. <ol style="list-style-type: none"> 1. With a Master's Degree: two years general experience of which at least one year must be specialized experience is required. 2. With twelve years general experience of which ten years is specialized, a degree is not required.

ITEM #: 28
LABOR CATEGORY: HELP DESK MANAGER
<p>A. <u>Functional Responsibility</u>: Provide daily supervision and direction to staff who are responsible for phone and in-person support to users in the areas of e-mail, directories, standard Windows desktop applications, and applications developed or deployed under this contract. These personnel serve as the first point of contact for troubleshooting hardware/software PC and printer problems.</p>
<p>B. <u>Minimum Education - Minimum/General Experience</u>: A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. This position requires a minimum of seven years experience, of which at least five years must be specialized. Specialized experience includes: management of help desks in a multi-server environment, comprehensive knowledge of PC operating systems, e.g., DOS, Windows, as well as networking and mail standards and supervision of help desk employees. General experience includes information systems development, network and other work in the client/server field, or related fields. Demonstrated ability to communicate orally and in writing and a positive customer service attitude.</p> <ol style="list-style-type: none"> 1. With a Master's Degree (in the fields described in B above): five years general experience of which at least three years must be specialized experience is required. 2. With twelve years general experience of which at least ten years is specialized, a degree is not required.
ITEM #: 29
LABOR CATEGORY: HELP DESK SPECIALIST
<p>A. <u>Functional Responsibility</u>: Provides phone and in-person support to users in the areas of e-mail, directories, standard Windows desktop applications, and applications developed under this contract or predecessors. Serves as the initial point of contact for troubleshooting hardware/software PC and printer problems.</p>
<p>B. <u>Minimum Education - Minimum/General Experience</u>: An Associate's Degree in Computer Science, Information Systems, Engineering, Business, or other related discipline is required. This position requires a minimum of five years experience, of which at least three years must be specialized. Specialized experience includes: knowledge of PC operating systems, e.g., DOS, Windows, as well as networking and mail standards and work on a help desk. General experience includes information systems development and other work in the client/server field, or related fields. Demonstrated ability to communicate orally and in writing and a positive customer service attitude.</p> <ol style="list-style-type: none"> 1. With a Bachelor's Degree (in the fields described in B above): four years general experience of which at least two years must be specialized experience is required. 2. With ten years general experience of which at least eight years is specialized, a degree is not required.
ITEM #: 30
LABOR CATEGORY: HARDWARE SPECIALIST
<p>A. <u>Functional Responsibility</u>: Reviews computer systems in terms of machine capabilities and man-machine interface. Prepares reports and studies concerning hardware. Prepares functional requirements and specifications for hardware acquisitions. Ensures that problems have been properly identified and that the solutions will satisfy the user's requirements.</p>
<p>B. <u>Minimum Education - Minimum/General Experience</u>: An Associate's Degree in Computer Science, Information Systems, Engineering, Business, or other related discipline is required. This position requires a minimum of six years experience, of which at least four years must be specialized. Specialized experience includes: system analysis and evaluation of hardware capabilities and configurations. General experience includes increasing responsibilities with ADP systems, including systems analysis and programming. Must demonstrate the ability to work independently or under only general direction.</p> <ol style="list-style-type: none"> 1. With a Bachelor's Degree (in the fields described in B above): four years general experience of which at least

two years must be specialized experience is required.

2. With twelve years general experience of which at least ten years is specialized, a degree is not required.

ITEM #: 31

LABOR CATEGORY: SENIOR HARDWARE INSTALLATION TECHNICIAN

A. Functional Responsibility: Organizes and directs hardware installations on site surveys. Assesses and documents current site network configuration and user requirements. Designs and optimizes network topologies. Analyzes and develops new hardware requirements and prepares specifications for hardware acquisitions. Directs and leads preparation of engineering plans and site installation Technical Design Packages. Develops hardware installation schedules. Mobilizes installation team. Directs and leads preparation of drawings documenting configuration changes at each site. Prepares site installation and test reports. Coordinates post installation operations and maintenance support.

B. Minimum Education - Minimum/General Experience: Minimum education requirement is a high school diploma. This position requires a minimum of eight years experience of which at least six years must be specialized. Specialized experience includes: supervision of installation technicians, analysis, design, and installation of computer based systems; analysis, design, and installation of local area nets; and analysis and installation of communication systems. General experience includes increasing responsibilities in technical management.

1. With an Associate's Degree: seven years general experience of which at least five years must be specialized experience.
2. With a Bachelor's Degree: six years general experience of which at least three years must be specialized experience.

ITEM #: 32

LABOR CATEGORY: HARDWARE INSTALLATION TECHNICIAN

A. Functional Responsibility: Conducts sites surveys; assesses and documents current site network configuration and user requirements. Designs and optimize network topologies. Analyzes existing requirements and prepares specifications for hardware acquisitions. Prepares engineering plans and site installation Technical Design Packages. Develops hardware installation schedules. Prepares drawings documenting configuration changes at each site. Prepares site installation and test reports. Configures computers, communications devices, and peripheral equipment. Installs network hardware. Trains site personnel in proper use of hardware. Builds specialized interconnecting cables.

B. Minimum Education - Minimum/General Experience: Minimum education requirement is a high school diploma. This position requires a minimum of five years experience of which at least three years must be specialized. Specialized experience includes: analysis and installation of computer based systems; analysis and installation of local area nets; fiber optic cable installation; specialized interconnect cable design and fabrication; and analysis and installation of communications systems. Proven ability to work independently or under only general direction.

1. With an Associate's Degree: four years general experience of which at least two years must be specialized experience is required.
2. With a Bachelor's Degree three years general experience of which at least one year must be specialized experience is required.

ITEM #: 33

LABOR CATEGORY: HARDWARE DRAFTSMAN

A. Functional Responsibility: Develops engineering drawings, using computer based drawing packages such as Aptitude. Develops engineering drawings for site plans, electrical interconnects, and mechanical plans for

specialized hardware.
<p>B. <u>Minimum Education - Minimum/General Experience</u>: Minimum education requirement is a high school diploma. This position requires a minimum of 7 years drafting experience. A diversified drafting background is required. A minimum of 4 years experience shall be in drafting of specialized interconnects drawings, site plans, and mechanical parts typical of custom hardware installations. Must demonstrate the ability to work independently or under only general supervision.</p> <ol style="list-style-type: none"> 1. With an Associate's Degree: six years general experience of which at least three years must be specialized experience is required. 2. With a Bachelor's Degree: five years general experience of which at least two years must be specialized experience is required.
ITEM #: 34
LABOR CATEGORY: SENIOR NETWORK INSTALLATION TECHNICIAN
<p>A. <u>Functional Responsibility</u>: Organizes and directs network installations on site surveys. Assesses and documents current site network configuration and user requirements. Designs and optimizes network topologies. Directs and leads preparation of engineering plans and site installation Technical Design Packages. Develops installation schedules. Mobilizes network installation team. Directs and leads preparation of drawings documenting configuration changes at each site. Prepares site installation and test records. Coordinates post installation operations and maintenance support.</p>
<p>B. <u>Minimum Education - Minimum/General Experience</u>: Minimum education requirement is a high school diploma. This position requires a minimum of ten years experience of which at least five years must be specialized. Specialized experience includes: supervision of installation technicians; analysis, design, and installation of local and wide area nets; and analysis and installation of communication systems. Familiar with engineering documentation, network configurations and topologies, X.25, TCP/IP, Frame Relay, Bridges, and Routers. General experience includes increasing responsibilities in technical management.</p> <ol style="list-style-type: none"> 1. With an Associate's Degree: nine years general experience of which at least five years must be specialized experience is required. 2. With a Bachelor's Degree: eight years general experience of which at least four years must be specialized experience is required.
ITEM #: 35
LABOR CATEGORY: NETWORK INSTALLATION TECHNICIAN
<p>A. <u>Functional Responsibility</u>: Conducts site Surveys. Assesses and documents current site network configuration and user requirements. Designs and optimizes network topologies. Follows engineering plans and site installation Technical Design Packages. Develops installation schedules. Works with network installation team. Assists in the preparation of drawing and documenting configuration changes at each site. Prepares site installation and test reports.</p>

B. Minimum Education - Minimum/General Experience: Minimum education requirement is a high school diploma. This position requires a minimum of five years experience of which at least three years must be specialized. Specialized experience includes: analysis, design, and installation of local area networks; and analysis and installation of communications systems. Specialized experience includes use of engineering documentation, network configurations and topologies, X.25, TCP/IP, Frame Relay, Bridges, and Routers. General experience includes increasing responsibilities in technical management.

1. With an Associate's Degree: four years general experience of which at least three years must be specialized experience is required.
2. With a Bachelor's Degree: three years general experience of which at least two years must be specialized experience is required.

ITEM #: 36

LABOR CATEGORY: NETWORK DRAFTSMAN

A. Functional Responsibility: Develops engineering drawings, using computer based drawing packages such as Aptitude. Develops engineering drawings for site plans, network configuration and design.

B. Minimum Education - Minimum/General Experience: Minimum education requirement is a high school diploma. This position requires a minimum of 7 years drafting experience. Four years specialized experience shall be in drafting of specialized interconnects drawings, site plans, and mechanical parts typical of network installations. Must demonstrate the ability to work independently or under only general supervision.

1. With an Associate's Degree: six years general experience of which at least three years must be specialized experience is required.
2. With a Bachelor's Degree: five years general experience of which at least two years specialized experience is required.

ITEM #: 37

LABOR CATEGORY: COMMUNICATIONS NETWORK MANAGER

A. Functional Responsibility: Evaluates communication hardware and software, troubleshoots LAN/MAN/WAN and other network related problems, provides technical expertise for performance and configuration of networks. Performs general LAN/MAN/WAN administration, provides technical leadership in the integration and test of complex large scale computer integrated networks. Schedules conversions and cutovers. Oversees network control center. Supervises maintenance of systems. Coordinates with all responsible users and sites. Supervises staff.

B. Minimum Education - Minimum/General Experience: A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline. This position requires a minimum of seven years experience of which five years must be specialized. Specialized experience includes protocol analysis, knowledge of OSI protocols particularly TCP/IP, X.25, X.400, X.500. Experience with ATM, frame relay, other knowledge with bridges, routers, gateways, FDDI, detailed knowledge of UNIX operating systems. Experience as a CNE or ECNE desirable. Specialized experience also includes: supervising the operation and maintenance of communication network systems which may be mainframe, mini, or client/server based. General experience includes all aspects of communication networks planning, installation, and support.

1. With a Master's Degree (in the fields described in B above): five years general experience of which at least three years must be specialized.
2. With fifteen years general experience of which at least twelve years is specialized, a degree is not required.

ITEM #: 38
LABOR CATEGORY: COMMUNICATIONS SPECIALIST
<p>A. <u>Functional Responsibility</u>: Analyzes network characteristics (e.g., traffic, connect time, transmission speeds, packet sizes, and throughput) and recommends procurement, removals, and modifications to network components. Designs and optimizes network topologies and site configurations. Plans installations, transitions, and cutovers of network components and capabilities. Coordinates requirements with users and suppliers.</p>
<p>B. <u>Minimum Education - Minimum/General Experience</u>: A Bachelor's degree (in the fields described in this paragraph). This position requires a minimum of six years experience, of which at least four years must be specialized experience in one of the following: communications software, communications hardware or network specialty. General experience includes all aspects of communication networks. Must demonstrate the ability to work independently or under only general direction.</p> <p>Communications Hardware specialized experience includes: installing, testing, and operating network and computer (host) communications equipment (e.g., switches, modems, controllers, terminals, and multiplexers); using and implementing communications hardware and electrical standards, using communications hardware test and monitoring equipment and analyzing the results.</p> <p>Communications Software specialized experience includes: developing, testing, installing, and operating network and computer (host) communications software (e.g. access method and protocol software, application interfaces, transaction processors, and emulators); using and implementing communications standards.</p> <p>Network Specialty specialized experience includes: designing, testing, installing, implementing, and maintaining computer networks; using and implementing network standards, particularly those of the International Organization for Standardization (ISO); operating computer networks; identification and solution of problems, restart/recovery, additions, deletions, and modifications of terminals, hosts, etc., optimization of network costs and performance and implementing accounting and charge back systems.</p> <ol style="list-style-type: none"> 1. With a Master's Degree (in the fields described in B above): five years general experience of which at least three years must be specialized experience is required. 2. With twelve years general experience of which at least ten years is specialized, a degree is not required.
ITEM #: 39
LABOR CATEGORY: PRINCIPAL BUSINESS PROCESS REENGINEERING SPECIALIST
<p>A. <u>Functional Responsibility</u>: Applies process improvement and reengineering methodologies and principles to conduct process modernization projects. Responsible for effective transitioning of existing project teams, and the facilitation of project teams in the accomplishment of project activities and objectives. Provides group facilitation, interviewing, training, and provides additional forms of knowledge transfer. Key coordinator between multiple project teams to ensure enterprise-wide integration of reengineering efforts. Provides daily supervision and direction to Business Process Reengineering Specialist.</p>
<p>B. <u>Minimum Education - Minimum/General Experience</u>: A Master's degree in Computer Science, Information Systems, Engineering, Business, Education, Management Sciences, Psychology, Human Resources Development/Management, or other related discipline. This position requires a minimum of ten years experience, of which at least seven years must be specialized. Specialized experience includes: facilitation, training, methodology development and evaluation, process reengineering across all phases, identifying best practices, change management, business management techniques, organizational development, activity and data modeling, or information system development methods and practices and supervision of Business Process Reengineering Specialist.</p> <ol style="list-style-type: none"> 1. With a PhD (in the fields described in B above): eight years general experience of which at least six years must be specialized is required. 2. With a Bachelor's degree (in the fields described in B above) and 12 years general experience of which at

least nine must be specialized, a Masters degree is not required.
ITEM #: 40
LABOR CATEGORY: SENIOR BUSINESS PROCESS REENGINEERING SPECIALIST
A. Functional Responsibility: Applies process improvement and reengineering methodologies and principles to conduct process modernization projects. Duties include activity and data modeling, developing modern business methods, identifying best practices, and creating and assessing performance measurements. Provides group facilitation, interviewing, training, and provides additional forms of knowledge transfer. May be under the supervision and direction of a Senior Business Process Engineers or may work independently.
B. Minimum Education - Minimum/General Experience: A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, Education, Management Sciences, Psychology, Human Resources Development/ Management, or other related discipline. This position requires a minimum of ten years experience, of which at least eight years must be specialized. Specialized experience may include: facilitation, training, methodology development and evaluation, process reengineering across all phases, identifying best practices, change management, business management techniques, organizational development, activity and data modeling, or information system development methods and practices and supervision of Business Process Reengineers. <ol style="list-style-type: none"> 1. With a Master's Degree (in the fields described in B above): eight years general experience of which at least six years must be specialized experience is required. 2. With a Ph.D. (in the fields described in B above): six years general experience of which at least five years must be specialized experience is required. 3. With fifteen years general experience of which at least twelve years is specialized, a degree is not required.
ITEM #: 41
LABOR CATEGORY: COST ANALYST
A. Functional Responsibility: Performs Functional Economic Analysis (FEA) to evaluate the costs of alternative ways to accomplish functional objectives. The FEA states investment costs, benefits, and risks as a net change to the functional baseline cost, the cost of doing business now and in the future. Ensures that cross functional, security, and other integration issues are addressed.
B. Minimum Education - Minimum/General Experience: A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, Accounting, or other related discipline. This position requires a minimum of six years experience, of which at least four years must be specialized. Specialized experience includes: demonstrated experience in providing technical and financial justifications (obtained by collecting information relevant to the decision and displaying that information in standard formats) in support of computer system selections. General experience includes increasing responsibilities in information systems or a technical and fiscal nature. <ol style="list-style-type: none"> 1. With a Master's Degree (in the fields described in B above): five years general experience of which at least three years must be specialized experience is required. 2. With twelve years general experience of which at least ten years is specialized, a degree is not required.
ITEM #: 42
LABOR CATEGORY: DATA STANDARDIZATION SPECIALIST
A. Functional Responsibility: . Provides technical support in the evaluation of prime object names, data elements, and other objects. Evaluated proposed objects and their attributes. Ensures that proposed object definitions are clear, concise, technically correct, and that they represent singular concepts. Ensures that the values of object attributes and domains are accurate and correct. Ensures that the proposed objects are consistent with data and process models.
B. Minimum Education - Minimum/General Experience: An Associate's Degree in Computer Science, Information

<p>Systems, Engineering, Business, or other related discipline is required. is required. This position requires a minimum of three years experience, of which at least two years must be specialized. Specialized experience includes: building and/or maintaining data/information repositories for organizations that use information engineering concepts and enterprise, data and process modeling in the identification and development of standardized objects. General experience includes technical writing in enterprise, process, and/or data modeling. Demonstrated ability to work independently or under only general direction.</p> <ol style="list-style-type: none"> 1. With a Bachelor's Degree (in the fields described in B above) two years general experience of which at least one year must be specialized experience is required. 2. With eight years general experience of which at least five years is specialized, a degree is not required.
ITEM #: 43
LABOR CATEGORY: DOCUMENTATION SPECIALIST
<p>A. <u>Functional Responsibility</u>: Gathers, analyzes, and composes technical information. Conducts research and ensures the use of proper technical terminology. Translates technical information into clear, readable documents to be used by technical and nontechnical personnel.</p>
<p>B. <u>Minimum Education - Minimum/General Experience</u>: An Associate's degree (in the fields described in this paragraph) is required. This position requires a minimum of three years experience, of which at least two years must be specialized. Specialized experience includes: preparing technical documentation, which is to include researching for applicable standards. General experience includes technical writing and documentation experience pertaining to all aspects of ADP. Demonstrated ability to work independently or under only general direction.</p> <ol style="list-style-type: none"> 1. With a Bachelor's Degree (in the fields described in B above): two years general experience of which at least one year must be specialized experience is required. 2. With eight years general experience of which at least five years is specialized, a degree is not required.
ITEM #: 44
LABOR CATEGORY: TECHNICAL WRITER/EDITOR
<p>A. <u>Functional Responsibility</u>: Assists in collecting and organizing information required for preparation of user's manuals, training materials, installation guides, proposals, and reports. Edits functional descriptions, system specifications, user's manuals, special reports, or any other customer deliverables and documents.</p>
<p>B. <u>Minimum Education - Minimum/General Experience</u>: Bachelors degree in English, Literature, or other related discipline. This position requires a minimum of three years experience, of which at least one year must be specialized. Specialized experience includes: demonstrated experience in editing documents, including technical documents. Demonstrated ability to work independently or under only general direction.</p> <ol style="list-style-type: none"> 1. With a Master's Degree (in the fields described in B above): two years general experience of which at least one year must be specialized experience is required. 2. With eight years general experience of which at least six years is specialized, a degree is not required.
ITEM #: 45
LABOR CATEGORY: SENIOR COMPUTER SECURITY SYSTEMS SPECIALIST
<p>A. <u>Functional Responsibility</u>: Analyzes and defines security requirements for Multilevel Security (MLS) issues. Designs, develops, engineers, and implements solutions to MLS requirements. Responsible for the implementation and development of the MLS. Gathers and organizes technical information about an organization's mission goals and needs, existing security products, and ongoing programs in the MLS arena. Performs risk analyses which also includes risk assessment. Provides daily supervision and direction to staff.</p>

B. Minimum Education - Minimum/General Experience: Must have a Bachelor's degree in Electrical Engineering, Information Science, Information Systems, Computer Science, Physics, Math, or other related discipline. This position requires a minimum of ten years experience, of which at least eight years must be specialized experience in defining computer security requirements for high level applications, evaluation of approved security product capabilities, and developing solutions to MLS problems.

1. With a Master's Degree (in the fields described in B above): eight years general experience of which at least seven years must be specialized experience is required.
2. With a Ph.D. six years general experience of which at least six years must be specialized experience is required.
3. With fifteen years general experience of which at least twelve years is specialized, a degree is not required.

ITEM #: 46

LABOR CATEGORY: COMPUTER SECURITY SYSTEMS SPECIALIST

A. Functional Responsibility: Analyzes and defines security requirements for Multilevel Security (MLS) issues. Designs, develops, engineers, and implements solutions to MLS requirements. Gathers and organizes technical information about an organization's mission goals and needs, existing security products, and ongoing programs in the MLS arena. Performs risk analyses which also includes risk assessment.

B. Minimum Education - Minimum/General Experience: Must have a Bachelor's degree in Electrical Engineering, Information Science, Information Systems, Computer Science, Physics, Math, or other related discipline. This position requires a minimum of eight years experience, of which at least six years must be specialized experience in defining computer security requirements for high level applications, evaluation of approved security product capabilities, and developing solutions to MLS problems.

1. With a Master's Degree (in the fields described in B above) seven years general experience of which at least five years must be specialized experience is required.
2. With twelve years general experience of which at least ten years is specialized, a degree is not required.

ITEM #: 47

LABOR CATEGORY: ADMIN SUPPORT AND GRAPHICS SPECIALIST

A. Functional Responsibility: Supports the development of contract deliverables and reports by developing and updating graphic presentations to improve the quality and enhance the usability of these documents. Responsible for integrating the graphics generated with automated tools and the deliverable documents. Provides production support and performs other administrative tasking as required.

B. Minimum Education - Minimum/General Experience: Requires a high school diploma and a minimum of two years experience in developing graphic/artistic presentations for publications and documents (preferably technical documentation). At a minimum, one year of specialized experience using commercial automated word processing (e.g., WordPerfect, Word), graphics systems (Harvard, Freelance, etc.), and desktop publishing systems. Demonstrated ability to work independently or under only general direction.

1. With an Associate's Degree in Computer Science, Information Systems, Engineering, Business, or other related discipline: one year specialized experience is required.

ITEM #: 48

LABOR CATEGORY: ELECTRONIC MEETING TECHNOGRAPHER	
<p>A. <u>Functional Responsibility</u>: Supports the operation of interactive voice and/or video teleconferencing systems used to facilitate remote interactive participation through a LAN-based electronic meeting system controlled by a central monitor station where shared ideas are projected. Specific responsibilities include: 1) starting up, maintaining, and shutting down the EMS computer system and related telecommunications; 2) monitoring the system during use and maintaining telecommunications links; 3) troubleshooting the EMS system; 4) providing assistance to EMS facility users during conference sessions; 5) providing for routine maintenance of the system; and 6) providing instruction in the appropriate use of the system to electronic meeting participants</p>	
<p>B. <u>Minimum Education - Minimum/General Experience</u>: Requires a high school diploma and a minimum of two years experience in communications systems and LAN operations. At a minimum, one year of specialized experience using video teleconferencing and electronic meeting systems. Demonstrated ability to work independently or under only general direction.</p> <p>1. With an Associate's Degree in Computer Science, Information Systems, Engineering, Business, or other related discipline: one year specialized experience is required.</p>	
ITEM #: 49	
LABOR CATEGORY: SENIOR PROGRAM MANAGER	
<p><u>Functional Responsibility</u>: Serves as the contractor's single contract manager, and shall be the contractor's authorized interface with the Government Contracting Officer, the Contracting Officer's Technical Representative, government management personnel, and customer agency representatives. Responsible for formulating and enforcing work standards, assigning contractor schedules, reviewing work discrepancies, supervising contractor personnel, and communicating policies, purposes, and goals of the organization to subordinates. Shall be responsible for the overall contract performance and shall not serve in any other capacity under this contract.</p>	
<p><u>Minimum/General Experience</u>: Twenty years experience, of which at least ten years must be specialized. Specialized experience includes: project development from inception to deployment, expertise in the management and control of funds and resources using complex reporting mechanisms, and demonstrated capability in managing multi-task contracts and/or subcontracts of various types and complexity. General experience includes increasing responsibilities in information systems and/or management.</p>	
<p><u>Minimum Education</u>: Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline.</p>	
<p><u>Education/Experience Substitution</u>: With a Master's degree preferred, fifteen years general experience of which at least ten years specialized experience is required.</p>	
ITEM #: 50	
LABOR CATEGORY: SENIOR PROJECT MANAGER	
<p><u>Functional Responsibility</u>: Serves as the project manager for a large, complex delivery order (or a group of delivery orders affecting the same migratory or target system) and shall assist the program manager in working with the Government Contracting Officer, the Contracting Officer's Representative, the Contracting Officer's Technical Representative, government management personnel, and customer agency representatives. Under the guidance of the Senior Program Manager or Program Manager, responsible for the overall management of specific delivery order and insures that both the technical solutions and schedules in the delivery order are implemented in a timely manner. Performs enterprise-wide horizontal integration planning and develops Cost Benefit Analyses (CBA) in support of the task/delivery order.</p>	
<p><u>Minimum/General Experience</u>: Twelve years experience of which at least six years must be specialized. Specialized experience includes: project development from inception to deployment, expertise in the management and control of funds and resources, and demonstrated capability in managing multi-task contracts and/or</p>	

subcontracts of various types and complexity. General experience includes increasing responsibilities in information technology and/or management.
<u>Minimum Education</u> : Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline.
<u>Education/Experience Substitution</u> : See table.
ITEM #: 51
LABOR CATEGORY: SENIOR QUALITY ASSURANCE MANAGER
<u>Functional Responsibility</u> : Establishes and maintains a process for evaluating software and/or hardware, and associated documentation. Determines the resources required for quality control. Maintains the level of quality throughout the product's life-cycle. Conducts formal and informal reviews at pre-determined points throughout the entire system's/development life-cycle.
<u>Minimum/General Experience</u> : Ten years experience, of which at least seven years must be specialized. Specialized experience includes Configuration Management, verification and validation, software and/or hardware testing and integration, final product/project implementation, and TO/SOW compliance. General experience includes increasing responsibilities in quality assurance and quality control.
<u>Minimum Education</u> : Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline.
<u>Education/Experience Substitution</u> : See table.
ITEM #: 52
LABOR CATEGORY: SENIOR TECHNICAL WRITER/EDITOR
<u>Functional Responsibility</u> : Responsible for the design, development, and preparation of documents throughout the production cycle, including editorial consultation, copy design/editing, proofreading, and working with technical or management personnel to define documentation content, guidelines, specifications, and development schedules. Collects and organizes information required for preparation of user's manuals, training materials, installation guides, proposals, and reports. Edits functional descriptions, system specifications, user's manuals, special reports, or any other customer deliverables and documents.
<u>Minimum/General Experience</u> : Six years experience in editing, writing, designing, and preparing business or technical documents. At least three years experience must be specialized. Specialized experience includes editorial consultation, copy design, editing, proofreading, working with technical or management personnel to define documentation content, guidelines, and specifications, and development of deliverables. Demonstrated ability to work independently or under only general direction.
<u>Minimum Education</u> : Bachelor's degree in English, Literature, or other related discipline.
<u>Education/Experience Substitution</u> : See table.
ITEM #: 53
LABOR CATEGORY: SENIOR ADMINISTRATIVE ASSISTANT
<u>Functional Responsibility</u> : Responsible for inputting, editing, and maintaining complex figures, equations, statistical data, graphics, etc. for business or technical documentation. Assists with document production, assembly, or distribution. Checks documents for spelling, grammar, organization, consistency, and content. Provides supervised support for repetitive or routine activities, according to established procedures or instructions. Uses basic knowledge of applications/systems, software, and databases to perform assigned tasks.
<u>Minimum/General Experience</u> : Three years of experience in creating, updating, and maintaining documents on computer systems. Must be able to efficiently use advanced features of required word processing software, and have knowledge of spreadsheet and graphics software. Demonstrates an understanding of the fundamental concepts,

practices, and procedures of the particular field relative to the assignment.
<u>Minimum Education</u> : High school diploma or GED.
<u>Education/Experience Substitution</u> : See table.
ITEM #: 54
LABOR CATEGORY: ADMINISTRATIVE ASSISTANT
<u>Functional Responsibility</u> : Responsible for inputting and maintaining data during the development or modification of business or technical documentation. Assists with document production, assembly, and/or distribution. Checks documents for spelling, grammar, organization, consistency, and content. Provides supervised support for repetitive or routine activities, according to established procedures or instructions. Uses basic knowledge of applications/systems, software, and databases to perform assigned tasks.
<u>Minimum/General Experience</u> : One year of experience in creating, updating, and maintaining documents on computer systems. Must be able to efficiently use required word processing software. Demonstrates an understanding of the fundamental concepts, practices, and procedures of the particular field relative to the assignment.
<u>Minimum Education</u> : High school diploma or GED.
<u>Education/Experience Substitution</u> : See table.
ITEM #: 55
LABOR CATEGORY: SENIOR PRINCIPAL BUSINESS PROCESS REENGINEERING SPECIALIST
<u>Functional Responsibility</u> : Applies process improvement and reengineering methodologies and principles to conduct multiple process modernization projects. Responsible for selection of business reengineering tools for use across the business enterprise. Provides quality control of business reengineering across multiple projects. Supervises and directs Principal Business Process Reengineering Specialists.
<u>Minimum/General Experience</u> : Twelve years experience, ten of which must be specialized. Specialized experience includes: facilitation; training; methodology development and evaluation; process reengineering across all project phases; identifying best practices; change management; business management techniques; organizational development; activity and data modeling; information system development methods and practices; and supervision of Business Process Reengineering Specialists.
<u>Minimum Education</u> : Master's degree in Computer Science, Information Systems, Engineering, Business, Human Resources Development/Management, or other related discipline.
<u>Education/Experience Substitution</u> : See table.
ITEM #: 56
LABOR CATEGORY: PRINCIPAL SPECIALIST/SCIENTIST
<u>Functional Responsibility</u> : Provides specific consultative and predictive support services unique to the individual's area of technology expertise. For example, they may specialize in predicting network behavior based on network performance parameters traffic levels, average time to connect, transmission speeds, and packet size/throughput ratios, or other responsibilities as required. May provide project planning and design services based on work requirements necessitating the use of the expert's unique services. Recognized expert in the field with articles published in related trade journals. Provides project-level support providing planning and consultative services and project staff oversight relating to individual's expertise.
<u>Minimum/General Experience</u> : Eight years progressive work experience in individual's area of technological expertise.
<u>Minimum Education</u> : Master's degree in individual's area of scientific expertise.

<u>Education/Experience Substitution</u> : See table.
ITEM #: 57
LABOR CATEGORY: SENIOR SPECIALIST/SCIENTIST
<u>Functional Responsibility</u> : Provides specific consultative and predictive support services unique to the individual's area of technology expertise. May specialize in predicting network behavior based on network performance parameters traffic levels, average time to connect, transmission speeds, and packet size/throughput ratios. May provide project planning and design services based on work requirements necessitating the use of the expert's unique services. Recognized expert in the field. May also provide task-level support providing planning and consultative services in individual's area of technology expertise.
<u>Minimum/General Experience</u> : Six years progressive work experience in individual's area of expertise.
<u>Minimum Education</u> : Master's degree in individual's area of scientific expertise.
<u>Education/Experience Substitution</u> : See table.
ITEM #: 58

LABOR CATEGORY: SPECIALIST/SCIENTIST
<u>Functional Responsibility</u> : Provides specific consultative and predictive support services unique to the individual's area of technology expertise. For example, with expertise in information systems, may specialize in predicting system usage based on uniformity, randomness or frequency of certain data elements in system traffic. May provide project planning and design services based on work requirements necessitating the use of the expert's unique services. Is also a recognized expert in the field.
<u>Minimum/General Experience</u> : Four years progressive experience in individual's area of technology expertise.
<u>Minimum Education</u> : Master's degree in individual's area of scientific expertise.
<u>Education/Experience Substitution</u> : See table.
ITEM #: 59
LABOR CATEGORY: PRINCIPAL SOFTWARE ENGINEER
<u>Functional Responsibility</u> : Plans, coordinates and controls software operations; estimates resources required; assigns accountability; and establishes success criteria. Develops complete, consistent, unambiguous requirements specifications detailing precisely what the software will accomplish. Performs structure programming techniques and procedures including top-down hierarchical software design, module integration, interface definition, and design. May provide engineering analysis for estimating relative software costs and determines tradeoffs, management analysis for defining requirements; monitors progress, coordinates personnel, and assesses risks. Performs software life-cycle analysis and planning in response to dynamic, overall computer system requirements.
<u>Minimum/General Experience</u> : Ten years experience in the design, development, implementation, testing and validation, operation and maintenance of computer software. Five years experience in managing/ administering software engineering functions.
<u>Minimum Education</u> : Bachelor's degree in Computer Science, Information or Resource Management, Mathematics, Electronic Engineering, Business Management/Administration or other related discipline is required with appropriate cross training or equivalent experience in associated disciplines.
<u>Education/Experience Substitution</u> : See table.

ITEM #: 60
LABOR CATEGORY: SENIOR SOFTWARE ENGINEER
<p>Functional Responsibility: Plans, coordinates and controls software operations; estimates resources required; assigns accountability; and establishes success criteria. Develops complete, consistent, unambiguous requirements specifications detailing precisely what the software will accomplish. Structures programming techniques and procedures including top-down hierarchical software design, module integration, interface definition, and design. Responsibilities may include providing analysis for defining requirements, monitoring progress, coordinating personnel, and assessing risks. May test and validate software modules, module integration, and system performance. Analyzes and evaluates the need for new software or the modification of existing software, and validates consequent software performance.</p>
<p>Minimum/General Experience: Eight years experience in the design, development, implementation, operation and maintenance, testing and validation of computer system software. Three years experience in managing/administering software engineering functions.</p>
<p>Minimum Education: Bachelor's degree in Computer Science, Information or Resource Management, Mathematics, Electronic Engineering, Business Management/Administration or other related discipline.</p>
<p>Education/Experience Substitution: See table.</p>
ITEM #: 61
LABOR CATEGORY: SOFTWARE ENGINEER
<p>Functional Responsibility: Plans, coordinates and controls software operations; estimates resources required; assigns accountability; and establishes success criteria. Develops complete, consistent, unambiguous requirements specifications detailing precisely what the software will accomplish. Implements structure programming techniques and procedures including top-down hierarchical software design, module integration, interface definition, and design. Provides analysis for defining requirements, monitoring progress, coordinating personnel, and assessing risks. May test and validate software modules, module integration, and system performance.</p>
<p>Minimum/General Experience: Six years experience in the design, development, implementation, operation and maintenance, testing and validation of computer system software. Two years specialized experience in using software engineering tools.</p>
<p>Minimum Education: Bachelor's degree in Computer Science, Information or Resource Management, Mathematics, Electronic Engineering, Business Management/Administration or other related discipline.</p>
<p>Education/Experience Substitution: See table.</p>
ITEM #: 62
LABOR CATEGORY: JUNIOR SOFTWARE ENGINEER
<p>Functional Responsibility: Coordinates and assists in software operations and estimates resources required. Develops complete, consistent, unambiguous requirements specifications detailing precisely what the software will accomplish. Implements structure programming techniques and procedures including top-down hierarchical software design, module integration, interface definition, and design. Provides analysis for defining requirements, monitoring progress, coordinating personnel, and assessing risks. May test and validate software modules, module integration, and system performance.</p>
<p>Minimum/General Experience: One year experience in the design, development, implementation, operation and maintenance, testing and validation of computer system software.</p>
<p>Minimum Education: Bachelor's degree in Computer Science, Mathematics, or other related discipline.</p>
<p>Education/Experience Substitution: See table.</p>

ITEM #: 63
LABOR CATEGORY: INFORMATION ENGINEER
<u>Functional Responsibility:</u> Provides application and software system planning and analysis at the organizational level for the client corporate enterprise. Provides client with business process engineering support service to client to allow long-range contingency systems planning to allow for multiple scenarios including expansion or change in agency functions, mission, growth in personnel, projected technology capabilities expansion and other global contingencies.
<u>Minimum/General Experience:</u> Six years experience providing long-range systems analysis and planning at the department or business unit level. Three years must include specialized experience in enterprise application analysis, planning and development, and contingency planning.
<u>Minimum Education:</u> Bachelor's degree in Information Systems, Systems Analysis, or other related discipline.
<u>Education/Experience Substitution:</u> See table.
ITEM #: 64
LABOR CATEGORY: PRINCIPAL PROGRAMMER/ANALYST
<u>Functional Responsibility:</u> Oversees, plans and directs work activities of project staff. Provides support services to client for all developmental phases of application programming and planning. Provides client support services in formulating and defining system scope and objectives. Provides project staff oversight for all phases application development including functional analysis, planning, coding, testing, revision, implementation, installation, acceptance and maintenance. May provide joint application development (JAD) and rapid application development (RAD) process facilitation to support application development. May provide client support for any or all system life-cycle phases for final product.
<u>Minimum/General Experience:</u> Ten years experience providing general software support services, six of which must be specialized to include enterprise application programming and support for enterprise-wide applications and large-scale data base management systems.
<u>Minimum Education:</u> Bachelor's degree in Computer Science, Information Systems, Engineering or related discipline.
<u>Education/Experience Substitution:</u> See table.
ITEM #: 65
LABOR CATEGORY: SENIOR PROGRAMMER/ANALYST
<u>Functional Responsibility:</u> Plans and directs work activities of project staff. Provides support services to client for all developmental phases of application programming and planning. Provides client support services in formulating and defining system scope and objectives. Provides project staff oversight for all phases application development including functional analysis, planning, coding, testing, revision, implementation, installation, acceptance and maintenance. May provide joint application development (JAD) and rapid application development (RAD) process facilitation to support application development. May provide client support for any or all system life-cycle phases for final product.
<u>Minimum/General Experience:</u> Six years experience providing general software support services, four of which must be specialized to include enterprise application programming and support for enterprise-wide applications and large-scale data base management systems.
<u>Minimum Education:</u> Bachelor's degree in Computer Science, Information Systems, Engineering or related discipline.
<u>Education/Experience Substitution:</u> See table.

ITEM #: 66
LABOR CATEGORY: PROGRAMMER/ANALYST
<p>Functional Responsibility: Provides direct client support for all developmental phases of application programming and planning. Serves as a liaison between functional and technical specialists at all levels. Assists with testing to support the project system life-cycle as requested by client. Uses methodologies, modeling/estimating techniques, tools, applications, systems, software, or databases at advanced levels to perform assigned tasks. May provide joint application development (JAD) and rapid application development (RAD) process facilitation to support application development. Ensures compliance with, and/or may develop, the standards and organization requirements relative to specific assignments. Provides testing, debugging and software refinement to produce working prototype. Provides software product integration, testing, and refinement, and implements finished product. Optimizes application for operation on and interaction with client's IT infrastructure. May supervise project staff in application coding and documentation. May provide support for any or all system life-cycle phases for final product.</p>
<p>Minimum/General Experience: Four years general software development and support experience, two of which must be specialized, to include enterprise application programming with large-scale data base management systems, and demonstrated ability to develop complex software systems to satisfy design objectives.</p>
<p>Minimum Education: Bachelor's degree in Computer Science, Information Systems, Engineering or other related discipline.</p>
<p>Education/Experience Substitution: See table.</p>
ITEM #: 67
LABOR CATEGORY: JUNIOR PROGRAMMER/ANALYST
<p>Functional Responsibility: Provides direct client support for application programming and planning. Assists with testing to support the project system life-cycle as requested by client. Uses methodologies, modeling/estimating techniques, tools, applications, systems, software, or databases at advanced levels to perform assigned tasks. May provide joint application development (JAD) and rapid application development (RAD) process facilitation to support application development. Provides testing, debugging and software refinement to produce working prototype. Provides software product integration, testing, and refinement, and implements finished product. Optimizes application for operation on and interaction with client's IT infrastructure. May provide support for any or all system life-cycle phases for final product.</p>
<p>Minimum/General Experience: Two years of general software development and support experience.</p>
<p>Minimum Education: Bachelor's degree in Computer Science, Information Systems, Engineering or other related discipline.</p>
<p>Education/Experience Substitution: See table.</p>
ITEM #: 68
LABOR CATEGORY: PRINCIPAL NETWORKING SPECIALIST
<p>Functional Responsibility: Provides oversight of project staff responsible for client support for the design and implementation of a variety of communications networks; supports connectivity among disparate networks with varying operating systems, e-mail systems, directory services, and other enterprise-wide applications. Plans, installs and monitors communication circuits. Manages and monitors a variety of interconnected LANs and associated equipment including bridges, routers, hubs, modem pools, and gateways. Analyzes WAN interface requirements. May support video conferencing applications and services as well as associated equipment and communication requirements. May provide task-level support for project staff providing the above support. May provide long-range systems planning at the agency level to incorporate anticipated advances in multi-media applications technology that could impact the organization's functioning, meet expected contingencies such as expansion of agency staff, or reflect changes in enterprise objectives or mission.</p>
<p>Minimum/General Experience: Eight years of progressive experience in planning, designing and analyzing</p>

connectivity and infrastructure capacity requirements for data, voice and video communications networks and systems; analyses may include such network parameters as traffic levels, connect time, transmission speeds, and packet size/throughput ratios. Four of the eight years must include progressive supervisory experience with at least two years project management experience. Five years of experience must also include direct work with any of the following network technologies including FDDI, ATM, FastEthernet, SONET, TCP/IP, SNA, Ethernet, Token Ring, Windows NT, Novell NetWare, Banyan VINES, remote access systems, client-server technology, gateway systems, ISDN, public telephone systems, and a variety of media including fiber, copper, and microwave.
<u>Minimum Education:</u> Bachelor's degree in Computer Systems Engineering, IT Systems, Telecommunications Management, or other related discipline.
<u>Education/Experience Substitution:</u> See table.
ITEM #: 69
LABOR CATEGORY: SENIOR NETWORKING SPECIALIST
<u>Functional Responsibility:</u> Responsible for client support for the design and implementation of a variety of communications networks; supports connectivity among disparate networks with varying operating systems, e-mail systems, directory services, and other enterprise-wide applications. Plans, installs and monitors communication circuits. Manages and monitors a variety of interconnected LANs and associated equipment including bridges, routers, hubs, modem pools, and gateways. Analyzes WAN interface requirements. May support video conferencing applications and services as well as associated equipment and communication requirements. May provide task-level support for project staff.
<u>Minimum/General Experience:</u> Six years of progressive experience in planning, designing and analyzing connectivity and infrastructure capacity requirements for data, voice and video communications networks and systems; analyses may include such network parameters as traffic levels, connect time, transmission speeds, and packet size/throughput ratios. Two of the six years must include progressive supervisory experience. Three years of experience must also include direct work with any of the following network technologies including FDDI, ATM, FastEthernet, SONET, TCP/IP, SNA, Ethernet, Token Ring, Windows NT, Novell NetWare, Banyan VINES, remote access systems, client-server technology, gateway systems, ISDN, public telephone systems, and a variety of media including fiber, copper, and microwave.
<u>Minimum Education:</u> Bachelor's degree in Computer Science, Engineering, IT Systems, or other related discipline.
<u>Education/Experience Substitution:</u> See table.
ITEM #: 70
LABOR CATEGORY: NETWORKING SPECIALIST
<u>Functional Responsibility:</u> Responsible for client support for the design and implementation of a variety of communications networks; supports connectivity among disparate networks with varying operating systems, e-mail systems, directory services, and other enterprise-wide applications. Plans, installs and monitors communication circuits. Manages and monitors a variety of interconnected LANs and associated equipment including bridges, routers, hubs, modem pools, and gateways. Analyzes WAN interface requirements. May support video conferencing applications and services as well as associated equipment and communication requirements.
<u>Minimum/General Experience:</u> Four years of progressive experience in planning, designing and analyzing connectivity and infrastructure capacity requirements for data, voice and video communications networks and systems; analyses may include such network parameters as traffic levels, connect time, transmission speeds, and packet size/throughput ratios. One year of experience must also include direct work with any of the following network technologies including FDDI, ATM, FastEthernet, SONET, TCP/IP, SNA, Ethernet, Token Ring, Windows NT, Novell NetWare, Banyan VINES, remote access systems, client-server technology, gateway systems, ISDN, public telephone systems, and a variety of media including fiber, copper, and microwave.
<u>Minimum Education:</u> Bachelor's degree in Computer Science, Information Systems, Engineering, or other related discipline.

<u>Education/Experience Substitution</u> : See table.
ITEM #: 71
LABOR CATEGORY: PRINCIPAL NETWORK ENGINEER
Functional Responsibility: Provides project-level oversight for project staff providing network design, development, implementation and installation support; product analysis and acquisition support; network administration and management; equipment installation and maintenance; and technology refreshment analysis and long-range planning. May provide long-range systems planning at the agency level to meet contingencies such as growth in staff, or changes in enterprise functions or mission.
Minimum/General Experience: Seven years general experience and five years specialized experience planning, designing and analyzing multi-platform, multi-system networks. Must also have documented working knowledge of at least one of the following network operating systems including Novell NetWare, Windows NT, UNIX, Sun Solaris, and VINES.
Minimum Education: Bachelor's degree in Computer Science or other related discipline.
<u>Education/Experience Substitution</u> : See table.
ITEM #: 72
LABOR CATEGORY: SENIOR NETWORK ENGINEER
Functional Responsibility: Provides network design, development, implementation and installation support; hardware or software product analyses and recommendations; product acquisition support; network administration and management; equipment installation and maintenance; and technology refreshment analysis. Also provides task-level staff oversight.
Minimum/General Experience: Five years general experience and three years specialized experience planning, designing and analyzing multi-platform, multi-system networks. Must also have documented working knowledge of at least one of the following network operating systems including Novell NetWare, Windows NT, UNIX, Sun Solaris, and VINES.
Minimum Education: Bachelor's degree in Computer Science or other related discipline.
<u>Education/Experience Substitution</u> : See table.
ITEM #: 73
LABOR CATEGORY: NETWORK ENGINEER
Functional Responsibility: Provides network design, development, implementation and installation support; hardware or software product analyses and recommendations; product acquisition support; network administration and management; equipment installation and maintenance; and technology refreshment analysis.
Minimum/General Experience: Three years general experience and one year specialized experience planning, designing and analyzing multi-platform, multi-system networks. Must also have documented working knowledge of at least one of the following network operating systems including Novell NetWare, Windows NT, UNIX, Sun Solaris, and VINES.
Minimum Education: Bachelor's degree in Computer Science or other related discipline.
<u>Education/Experience Substitution</u> : See table.
ITEM #: 74
LABOR CATEGORY: JUNIOR NETWORK ENGINEER
Functional Responsibility: Provides network design, development, implementation and installation support; hardware or software product analyses and recommendations; product acquisition support; network administration

and management; equipment installation and maintenance; and technology refreshment analysis.
<u>Minimum/General Experience:</u> One year of experience planning and analyzing networks.
<u>Minimum Education:</u> Bachelor's degree in Computer Science or other related discipline.
<u>Education/Experience Substitution:</u> See table.
ITEM #: 75
LABOR CATEGORY: PRINCIPAL SYSTEMS ENGINEER
<u>Functional Responsibility:</u> Provides project-level oversight of staff, providing enterprise application and MIS support through LAN/WAN design, development, and implementation. May involve life-cycle system support including hardware/software product analyses, product insertion and migration planning, technology refreshment analysis and planning, and defining system monitoring procedures and performance reports content.
<u>Minimum/General Experience:</u> Eight years experience planning, designing and analyzing multi-platform, multi-system networks, enterprise e-mail systems, and other enterprise application systems. Four of the eight years must have been in a management or supervisory capacity with increasing responsibility. Must have direct work experience in at least two of the following network operating systems: Novell NetWare, Windows NT, Sun Solaris, and/or Banyan VINES. Must have direct work experience in at least two of the following backbone network technologies: SONET, ATM, Frame Relay, FDDI, SNA, and/or TCP/IP.
<u>Minimum Education:</u> Bachelor's degree in Computer Science, Information Systems, Electrical Engineering, or related discipline.
<u>Education/Experience Substitution:</u> See table.
ITEM #: 76
LABOR CATEGORY: SENIOR SYSTEMS ENGINEER
<u>Functional Responsibility:</u> Provides task-level oversight of staff, providing enterprise application and MIS support through network infrastructure design, development, and implementation. Support may involve life-cycle system support including hardware/software product analyses, product insertion and migration planning, technology refreshment analysis and planning, and defining system monitoring procedures and performance reports content.
<u>Minimum/General Experience:</u> Six years experience planning, designing and analyzing multi-platform, multi-system networks, enterprise e-mail systems, and other enterprise application systems; three of the six years must have been specialized experience. Must have direct experience in at least two of the following network operating systems: Novell NetWare, Windows NT, Sun Solaris, and/or Banyan VINES. Must have direct experience in at least two of the following backbone network technologies: SONET, ATM, Frame Relay, FDDI, SNA, and/or TCP/IP.
<u>Minimum Education:</u> Bachelor's degree in Computer Science, Electrical Engineering, or related discipline.
<u>Education/Experience Substitution:</u> See table.
ITEM #: 77
LABOR CATEGORY: SYSTEMS ENGINEER
<u>Functional Responsibility:</u> Provides design, development and implementation support to ensure system availability and optimal performance in support of MIS, e-mail and/or other enterprise-wide applications. Support may involve life-cycle system support including hardware/software product analyses, product insertion and migration planning, technology refreshment analysis and planning, and defining system monitoring procedures and performance reports content.
<u>Minimum/General Experience:</u> Four years experience planning, designing and analyzing multi-platform, multi-system networks, enterprise e-mail systems, and other enterprise application systems. Must have two years of direct work experience in at least two of the following network operating systems: Novell NetWare, Windows NT, Sun

Solaris, and/or Banyan VINES. Must have direct work experience in at least two of the following backbone network technologies: SONET, ATM, Frame Relay, FDDI, SNA, and TCP/IP.
<u>Minimum Education</u> : Bachelor's degree in Computer Science, Information Systems, Electrical Engineering, or related discipline.
<u>Education/Experience Substitution</u> : See table.
ITEM #: 78
LABOR CATEGORY: JUNIOR HARDWARE INSTALLATION TECHNICIAN
<u>Functional Responsibility</u> : Participates in hardware installations on site surveys. Supports development of new hardware requirements and preparation of specifications for hardware acquisitions. Helps prepare drawings documenting configuration changes at each site and site installation and test reports.
<u>Minimum/General Experience</u> : Two years experience in installing computer-based systems, local area networks or communications systems.
<u>Minimum Education</u> : High school diploma or GED.
<u>Education/Experience Substitution</u> : See table.
ITEM #: 79
LABOR CATEGORY: SENIOR OPERATIONS MANAGER
<u>Functional Responsibility</u> : Manages computer operations. Makes sound business decisions affecting wide resources of material and manpower. Works independently of any direct supervision and provides technical direction and guidance to lower level professionals and technical personnel. Makes judgements resulting in responses to customer requests or demands. Meets contractual obligations. Provides users with computer output. Supervises staff operations.
<u>Minimum/General Experience</u> : Nine years experience, of which at least seven years must be specialized. Specialized experience includes supervision and operations experience on a large-scale computer system, and knowledge of hardware, software and operating systems. General experience includes operations experience on a large-scale computer system or a multi-server local area network.
<u>Minimum Education</u> : Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline.
<u>Education/Experience Substitution</u> : See table.
ITEM #: 80
LABOR CATEGORY: OPERATIONS/TECHNICAL SUPPORT ANALYST
<u>Functional Responsibility</u> : Provides requirements analysis service of client operations and technical support staff; makes recommendations to ensure optimal system and availability. Analyzes client networks to identify frequently occurring or grouped problems, and recommends staffing and technology solutions to increase performance.
<u>Minimum/General Experience</u> : Three years experience providing network operations, management, administration, and maintenance services, including life-cycle support for network infrastructure and IT applications. One additional year of specialized experience. Should be a certified network administrator for a specific network operating system appropriate to the client's network.
<u>Minimum Education</u> : Associate's degree in a technology-related field, or two years of college study in a related discipline.
<u>Education/Experience Substitution</u> : See table.

ITEM #: 81
LABOR CATEGORY: OPERATIONS SCHEDULER/COORDINATOR
<u>Functional Responsibility:</u> Schedules and coordinates computer operations, machine time, and data entry efforts.
<u>Minimum/General Experience:</u> Four years experience, of which at least two years must include operations experience on a large-scale computer system or a multi-server local area network, and knowledge of hardware, software and operating systems.
<u>Minimum Education:</u> Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline.
<u>Education/Experience Substitution:</u> See table.
ITEM #: 82
LABOR CATEGORY: SENIOR SYSTEM OPERATOR
<u>Functional Responsibility:</u> Monitors and supports computer processing. Coordinates input, output, and file media. Distributes output and controls computer operation, which may be mainframe, mini-, or client/server-based. Supervises junior technical personnel and works independently of direct supervision.
<u>Minimum/General Experience:</u> Five years experience, of which at least three years must be specialized experience operating a large-scale computer system or a multi-server local area network. Must demonstrate sufficient knowledge of programming to understand how programs use computer hardware.
<u>Minimum Education:</u> Associate's degree in Computer Science, Information Systems, Engineering, Business, or other related discipline.
<u>Education/Experience Substitution:</u> See table.
ITEM #: 83
LABOR CATEGORY: SENIOR DATABASE ADMINISTRATOR
<u>Functional Responsibility:</u> Performs all database administration support functions including data access monitoring and control; data integrity and security support including data back-up, recovery and off-site storage system support; and development of standards and procedures governing data access and use, documentation, and trouble logging. Provides project staff guidance and training.
<u>Minimum/General Experience:</u> Eight years experience in all functions of database administration, with six years specialized experience in database programming and design.
<u>Minimum Education:</u> Bachelor's degree in Computer Science, Information Management, or related discipline.
<u>Education/Experience Substitution:</u> See table.
ITEM #: 84
LABOR CATEGORY: DATABASE ADMINISTRATOR
<u>Functional Responsibility:</u> Performs all database administration support functions including data access monitoring and control; data integrity and security support including data back-up, recovery and off-site storage system support; and development of standards and procedures governing data access and use, documentation, and trouble logging.
<u>Minimum/General Experience:</u> Six years experience in all functions of database administration, with five years specialized experience in database programming and design.
<u>Minimum Education:</u> Bachelor's degree in Computer Science, Information Management, or related discipline.
<u>Education/Experience Substitution:</u> See table.

ITEM #: 85
LABOR CATEGORY: SECURITY MANAGER
<u>Functional Responsibility:</u> Provides project-level support for all aspects of IT and network security including data and physical plant systems. Supports client in performing risk assessment, as well as design, development and implementation services for security systems including firewalls, encryption applications, and physical security systems. Oversees project level staff in providing security monitoring.
<u>Minimum/General Experience:</u> Seven years experience providing IT systems and building security support, with at least four years of specialized experience. Experienced in all aspects of network and host-systems security, including risk assessment, e-mail security guidelines planning and implementation, data encryption, firewall configuration, and network and building access control.
<u>Minimum Education:</u> Bachelor's degree in Computer Science or other related discipline.
<u>Education/Experience Substitution:</u> See table.
ITEM #: 86
LABOR CATEGORY: COMPUTER SECURITY MONITOR
<u>Functional Responsibility:</u> Under general direction, provides network and IT systems monitoring support to ensure system security and protect data assets from destruction, modification, or unauthorized access. Provides user support and procedural instruction to ensure that users understand and adhere to system security requirements.
<u>Minimum/General Experience:</u> Five years experience providing IT network support including hardware or software analysis at all network levels from backbone infrastructure to client-server based database systems; three years must include data security experience in all aspects of network and host systems' security implementation, including security risk assessment, e-mail security guidelines, firewall configuration, and network access control.
<u>Minimum Education:</u> Bachelor's degree in Computer Science or other related discipline.
<u>Education/Experience Substitution:</u> See table.
ITEM #: 87
LABOR CATEGORY: PRINCIPAL NETWORK ADMINISTRATOR
<u>Functional Responsibility:</u> Acts as project leader or task leader on major task orders. Provides direction to staff providing network acquisition, installation, systems planning, diagnostics, and security service and maintenance support. Assists client in developing enterprise system administration and maintenance policy.
<u>Minimum/General Experience:</u> Eight years general experience and six years specialized experience providing LAN installation, maintenance, and management service support.
<u>Minimum Education:</u> High school diploma, plus current certification in LAN administration or engineering appropriate to the network environment being supported (e.g. CNA, CNE, for Novell networks; MCP, MCSE for Microsoft networks).
<u>Education/Experience Substitution:</u> See table.
ITEM #: 88
LABOR CATEGORY: SENIOR NETWORK ADMINISTRATOR
<u>Functional Responsibility:</u> Acts as project task leader on individual tasks or task orders. Provides network acquisition, installation, and maintenance support. May also provide network diagnostics and problem resolution; security services including security system evaluation and implementation; network virus protection and application support; and system-wide policy and procedures for hardware and software installation and maintenance. May also provide planning and design functions for systems or applications providing local and remote network

administration.
<u>Minimum/General Experience:</u> Six years general experience and four years specialized experience providing LAN installation, maintenance, and management service support.
<u>Minimum Education:</u> High school diploma, plus current certification in LAN administration or engineering appropriate to the network environment being supported.
<u>Education/Experience Substitution:</u> See table .
ITEM #: 89
LABOR CATEGORY: NETWORK ADMINISTRATOR
<u>Functional Responsibility:</u> Under general direction provides network acquisition, installation, and maintenance support. May also provide network diagnostics and problem resolution; security services including security system evaluation and implementation; network virus protection and application support; and system-wide policy and procedures for hardware and software installation and maintenance. May also provide planning and design functions for systems or applications providing local and remote network administration.
<u>Minimum/General Experience:</u> Four years general experience and two years experience providing LAN installation, maintenance, and management service support.
<u>Minimum Education:</u> Bachelor's degree in Computer Science or other related discipline.
<u>Education/Experience Substitution:</u> See table.
ITEM #: 90
LABOR CATEGORY: SENIOR NETWORK TECHNICIAN
<u>Functional Responsibility:</u> As directed, provides project oversight. Installs, configures, and maintains network and IT systems including desktop and network hardware and software installation, configuration and maintenance; patch panel configuration; and network management and administration services.
<u>Minimum/General Experience:</u> Six years general experience and four years specialized experience installing, configuring, and maintaining major departmental LAN systems including the following technologies: Ethernet, token ring, and bus topologies; Windows, DOS, Apple, Windows NT, Novell NetWare and UNIX-based desktop and network operating systems; client-server systems.; and gateway systems and interfaces.
<u>Minimum Education:</u> High school diploma or GED and appropriate course-level certifications.
<u>Education/Experience Substitution:</u> See table.
ITEM #: 91
LABOR CATEGORY: NETWORK TECHNICIAN
<u>Functional Responsibility:</u> Installs, configures, and maintains network and IT systems including desktop and network hardware and software installation, configuration and maintenance; patch panel configuration; and network management and administration services.
<u>Minimum/General Experience:</u> Four years general experience and two years specialized experience installing, configuring, and maintaining major departmental LAN systems including the following technologies: Ethernet, token ring, and bus topologies; Windows, DOS, Apple, Windows NT, Novell NetWare or UNIX-based desktop and network operating systems; and client-server systems.
<u>Minimum Education:</u> High school diploma or GED and appropriate certifications.
<u>Education/Experience Substitution:</u> See table.

ITEM #: 92
LABOR CATEGORY: JUNIOR NETWORK TECHNICIAN
Functional Responsibility: Under general supervision and direction, installs, configures, and maintains network and IT systems including desktop and network hardware and software installation, configuration and maintenance; patch panel configuration; and network management and administration services.
Minimum/General Experience: Two years installing, configuring, and maintaining major departmental LAN systems including the following technologies: Ethernet, token ring, and bus topologies; Windows, DOS, Apple, Windows NT, Novell NetWare or UNIX-based desktop and network operating systems; and client-server systems.
Minimum Education: High school diploma or GED.
Education/Experience Substitution: See table.
ITEM #: 93
LABOR CATEGORY: NETWORK OPERATIONS SPECIALIST
Functional Responsibility: Performs management functions related to the operation, performance and availability of enterprise communications networks. Analyzes client networks to isolate problems, and recommends solutions to increase performance, including technology refresh recommendations for network infrastructure. Manages e-mail and other enterprise applications and provides user account management services.
Minimum/General Experience: Three years experience providing network operations, management, administration, and/or maintenance services. One year specialized experience required. Experience may include one or more of the following: life-cycle support for network infrastructure; managing network maintenance systems; technology refreshment analysis and planning; and user account management. Working knowledge of Ethernet, backbone WAN topologies, WAN gateways and routers, and standard industry network operating systems. Should be a certified network administrator for a specific network operating system appropriate to the client's network.
Minimum Education: Associate's degree in a related discipline, or two years of college or university study in a related discipline.
Education/Experience Substitution: See table.
ITEM #: 94
LABOR CATEGORY: ENGINEERING TECHNICIAN INSTALLER
Functional Responsibility: Implements, installs, and repairs voice and data cable systems. Creates and maintains records on cable assignments, terminations and directory headings, telephone, circuit and other communications equipment type. May support video teleconferencing center equipment and microwave radio systems.
Minimum/General Experience: Seven years general experience and four years specialized experience installing and maintaining communications and cable systems. Experience should include aerial and burial cable installations, termination of voice and data circuits including copper and fiber (single-mode/multi-mode) wiring.
Minimum Education: High school diploma or GED.
Education/Experience Substitution: See table.
ITEM #: 95
LABOR CATEGORY: PRINCIPAL CONSULTANT
Functional Responsibility: Improves efficiency, increases productivity, and provides expert input and advice in area(s) of expertise. Assumes responsibility for assuring that administrative and technical teams work efficiently and confers with the client to ensure project cooperation.
Minimum/General Experience: Fifteen years experience consulting with federal government agencies or large

corporations, including ten years experience in facilitating team efficiency and consulting federal government agencies or large corporations in their subject matter (e.g. Networking, BPR, Software, Information Systems, and/or Facilities Management).
Minimum Education: Master's degree in related discipline.
<u>Education/Experience Substitution</u> : See table.
ITEM #: 96
LABOR CATEGORY: SENIOR CONSULTANT
<u>Functional Responsibility</u> : Improves efficiency, increases productivity, and provides expert input and advice in area(s) of expertise. Provides administrative and technical coordination to facilitate efficient output and confers with the client to ensure project cooperation.
<u>Minimum/General Experience</u> : Twelve years of experience consulting with federal government agencies or large corporations, including ten years experience in facilitating team efficiency and consulting federal government agencies or large corporations in their subject matter (e.g. Networking, BPR, Software, Information Systems, and/or Facilities Management).
<u>Minimum Education</u> : Bachelor's degree in related discipline.
<u>Education/Experience Substitution</u> : Master's degree preferred, with ten years general experience and eight years specialized experience.
ITEM #: 97
LABOR CATEGORY: CONSULTANT
<u>Functional Responsibility</u> : Improves efficiency, increases productivity, and provides expert input and advice in area(s) of expertise. Acts as liaison to facilitate efficient output and confers with the client to ensure project cooperation
<u>Minimum/General Experience</u> : Ten years of experience consulting with federal government agencies or large corporations, including eight years experience in facilitating team efficiency and consulting federal government agencies or large corporations in their subject matter (e.g. Networking, BPR, Software, Information Systems, and/or Facilities Management).
<u>Minimum Education</u> : Bachelor's degree in related discipline.
<u>Education/Experience Substitution</u> : See table.
ITEM #: 98

Digicon Corporation
IT Schedule 70 Authorized Pricelist

Contract Number: GS-35F-5109H
Centrivity Rate Sheet

SIN #	Part Number	Product Description	Proposed GSA price w/IFF of .75%
Hosted Email Rate Sheet			
Exchange Mailbox Package Plans			
2GB per Mailbox Advanced Anti-Spam Included			
132-52	EX-01	10 Mailboxes (20GB Aggregate storage) Select Monthly Fee	\$ 119.60
132-52	EX-02	25 Mailboxes (50GB Aggregate storage) Select Monthly Fee	\$ 287.11
132-52	EX-03	50 Mailboxes (100GB Aggregate storage) Select Monthly Fee	\$ 574.26
132-52	EX-04	100 Mailboxes (200GB Aggregate storage) Select Monthly Fee	\$ 1,052.85
132-52	EX-05	200 Mailboxes (400GB Aggregate storage) Select Monthly Fee	\$ 2,105.75
Individual Plans			
132-52	EX-11	Base mailbox w/ 5 GB storage w/ Secure Mail client (Select Monthly Fee)	\$ 18.28
132-52	EX-12	Base mailbox w/ 5 GB storage (Select Monthly Fee)	\$ 10.86
132-52	EX-13	Base mailbox w/ 25 GB storage (Premier Monthly Fee)	\$ 12.40
132-52	EX-14	Monthly Term Additional Fee (Select Monthly Fee)	\$ 2.26
132-52	EX-15	Monthly Term Additional Fee (Premier Monthly Fee)	\$ 2.26
132-52	EX-16	Resource Mailbox (Select Monthly Fee) Premier monthly fee included	\$ 5.60
132-52	EX-16NC	Resource Mailbox (Premier Monthly Fee)	Included
132-52	EX-17	Company Disclaimer (Select Monthly Fee) Premier monthly fee included	\$ 11.25
132-52	EX-17NC	Company Disclaimer (Premier Monthly Fee)	Included
132-52	EX-18	ActiveSync (Select Monthly Fee)	\$ 3.35
132-52	EX-19	ActiveSync (Premier Monthly Fee)	\$ 3.35
132-52	EX-20	BlackBerry (Select Monthly Fee)	\$ 11.28
132-52	EX-21	BlackBerry (Premier Monthly Fee)	\$ 11.28
132-52	EX-22	Additional Storage /1GB (Select Monthly Fee)	\$ 1.69
132-52	EX-23	Additional Storage /1GB (Premier Monthly Fee)	\$ 1.69
132-52	EX-24	OWA only access with 1GB storage (Select Monthly Fee)	\$ 5.60
132-52	EX-25	OWA only access with 1GB storage (Premier Monthly Fee)	\$ 5.60
132-52	EX-26	Outlook Client for Windows/Mac (Select Monthly Fee)	\$ 1.15
132-52	EX-27	Outlook Client for Windows/Mac (Premier Monthly Fee)	\$ 1.15
132-52	EX-28	Secure Mail client (Select Monthly Fee)	\$ 7.85
132-52	EX-29	Secure Mail client (Premier Monthly Fee)	\$ 7.85
132-52	EX-30	3 Yr. Compliant Archiving/eDiscovery (5 user minimum) SetUp Fee	\$ 11.29
132-52	EX-31	3 Yr. Compliant Archiving/eDiscovery (5 user minimum) Select Monthly Fee	\$ 9.82
132-52	EX-32	3 Yr. Compliant Archiving/eDiscovery (5 user minimum) Premier Monthly Fee	\$ 9.82
132-52	EX-33	5 Yr. Compliant Archiving/eDiscovery (5 user minimum) SetUp Fee	\$ 12.44
132-52	EX-34	5 Yr. Compliant Archiving/eDiscovery (5 user minimum) Select Monthly Fee	\$ 12.44
132-52	EX-35	5 Yr. Compliant Archiving/eDiscovery (5 user minimum) Premier Monthly Fee	\$ 12.44

132-52	EX-36	7 Yr. Compliant Archiving/eDiscovery (5 user minimum) SetUp Fee	\$	13.59
132-52	EX-37	7 Yr. Compliant Archiving/eDiscovery (5 user minimum) Select Monthly Fee	\$	13.59
132-52	EX-38	7 Yr. Compliant Archiving/eDiscovery (5 user minimum) Premier Monthly Fee	\$	13.59
132-52	EX-39	Third Party Journaling Select Monthly Fee	\$	282.37
132-52	EX-40	Third Party Journaling Premier Monthly Fee	\$	282.37
132-52	EX-41	AD Sync Set Up Fee	\$	559.95
132-52	EX-42	Mailbox Continuity Service Select Monthly Fee	\$	3.35
132-52	EX-43	Mailbox Continuity Service Premier Monthly Fee	\$	3.35
		Migration Services		
132-52	MI-01	On-Premise Executive Migration Service (Select Monthly Fee)	\$	17.01
132-52	MI-02	Remote/Standard Service Migration Service (Select Monthly Fee)	\$	17.01
		OCS Office Communications Server		
132-52	OC-01	Secure IM and Presence (Select Monthly Fee)	\$	3.35
132-52	OC-02	Secure IM and Presence (Premier Monthly Fee)	\$	3.35
132-52	OC-03	Web Conferencing with Secure IM and Presence (Select Monthly Fee)	\$	16.89
132-52	OC-04	Web Conferencing with Secure IM and Presence (Premier Monthly Fee)	\$	16.89
		SharePoint - Shared SP Foundation		
		Plan		
132-52	SP-03	Shared SP Foundation Annual Term (Plan 1)	\$	56.47
132-52	SP-04	Shared SP Foundation Annual Term (Plan 2)	\$	112.95
132-52	SP-05	Monthly Term Additional Fee (Plan 1)	\$	11.29
132-52	SP-06	Monthly Term Additional Fee (Plan 2)	\$	11.29
132-52	SP-07	Additional Storage /1GB (Plan 1)	\$	1.15
132-52	SP-08	Additional Storage /1GB (Plan 2)	\$	1.15
132-52	SP-09	Cost Per User (Plan 1)	\$	-
132-52	SP-10	Cost Per User (Plan 2)	\$	-
132-52	SP-11	Bamboo Web Parts per pack (Plan 1)	\$	11.25
132-52	SP-11NC	Bamboo Web Parts per pack (Plan 2)		Included
132-52	SP-12	SSL Encryption/Custom URL (Set Up Fee)	\$	56.47
132-52	SP-13	SSL Encryption/Custom URL (Plan 1)	\$	11.25
132-52	SP-14	SSL Encryption/Custom URL (Plan 2)	\$	11.25
132-52	SP-15	AD Integration (Set Up Fee)	\$	559.95
		SharePoint - Dedicated SP Foundation		
		Plan		
132-52	SP-16	Dedicated SP Foundation Annual Term (Plan 1)	\$	338.84
132-52	SP-17	Dedicated SP Foundation Annual Term (Plan 2)	\$	677.68
132-52	SP-18	Additional Storage /1GB (Plan 1)	\$	1.15
132-52	SP-19	Additional Storage /1GB (Plan 2)	\$	1.15
132-52	SP-20NC1	Cost Per User (Plan 1)	\$	-
132-52	SP-20NC2	Cost Per User (Plan 2)		Included

132-52	SP-21	Bamboo Web Parts per pack (Plan 1)	\$ 11.25
132-52	SP-21NC	Bamboo Web Parts per pack (Plan 2)	Included
132-52	SP-22	SSL Encryption/Custom URL (Set Up Fee Plan 1)	\$ 56.47
132-52	SP-23	SSL Encryption/Custom URL (Plan 1)	\$ 11.25
132-52	SP-23NC1	SSL Encryption/Custom URL (Set Up Fee Plan 2)	Included
132-52	SP-23NC2	SSL Encryption/Custom URL (Plan 2)	Included
132-52	SP-24	AD Integration (Setup Fee Plan 1)	\$ 559.95
132-52	SP-25	AD Integration (Plan 1)	\$ -
132-52	SP-25NC1	AD Integration (Setup Fee Plan 2)	Included
132-52	SP-25NC2	AD Integration (Plan 2)	Included
SharePoint - Dedicated SP Standard Sites			
Plan			
132-52	SP-26	Dedicated SP Standard Sites Annual Term (Ultimate)	\$ 1,129.47
132-52	SP-27	Additional Storage /1GB (Ultimate)	\$ 1.15
132-52	SP-28	Cost Per User (Ultimate)	\$ 5.74
132-52	SP-29NC	Bamboo Web Parts per pack (Included)	Included
132-52	SP-30NC	SSL Encryption/Custom URL (setup fee and Ultimate fee included)	Included
132-52	SP-31NC	SSL Encryption/Custom URL (setup fee and Ultimate fee included)	Included
132-52	SP-32NC	AD Integration (setup fee and Ultimate fee included)	Included
132-52	SP-33NC	AD Integration (setup fee and Ultimate fee included)	Included
Dynamics CRM - Dedicated			
Plan			
132-52	CR-01	Active Directory Module and Dynamics CRM Server (Set up Fee)	\$ 519.75
132-52	CR-02	Dynamics CRM includes 5GB and 5 Users (Plan)	\$ 847.10
132-52	CR-03	Dynamics CRM Additional Users up to 30 (monthly per user) (Plan)	\$ 33.84
132-52	CR-04	Dynamics CRM Additional Storage (Plan)	\$ 33.84
132-52	CR-05	Directory Link Services (Set up Fee)	\$ 44.99
Customer Owned Equipment Managed Services			
132-52	MS-01	24/7 Device Monitoring (one time fee per device)	\$ 129.22
132-52	MS-02	24/7 Device Monitoring (monthly fee per device)	\$ 43.07
132-52	MS-03	Server Management - Windows Server Management	\$ 143.58
132-52	MS-04	Server Management - Linux Server Management	\$ 143.58
132-52	MS-05	Application Management - Exchange Server Management	\$ 129.22
132-52	MS-06	Application Management - SQL Server Management	\$ 143.58
132-52	MS-07	Application Management - IIS Server Management	\$ 129.22
132-52	MS-08	Application Management - SharePoint Server Management	\$ 143.58
132-52	MS-09	Application Management - Tape Backup Management	\$ 129.22
132-52	MS-10	Network Device Management – Firewall (Cisco, Juniper, etc.)	\$ 143.58
132-52	MS-12	Network Device Management - Barracuda Mail Firewall	\$ 143.58
132-52	MS-13	Network Device Management - WAN Accelerator	\$ 143.58

132-52	MS-16	Network Device Management - Switches	\$	95.72
		Customer-Leased Equipment Managed Services (Includes Server Licensing but not Client licensing)		
132-52	MS-17	24/7 Device Monitoring (one time fee per device)	\$	129.22
132-52	MS-18	24/7 Device Monitoring (monthly fee per device)	\$	43.07
132-52	MS-19	Server Management - Windows Server Management	\$	287.15
132-52	MS-20	Server Management - Linux Server Management	\$	268.01
132-52	MS-21	Application Management - Exchange Server Management	\$	258.44
132-52	MS-22	Application Management - SQL Server Management	\$	287.15
132-52	MS-23	Application Management - IIS Server Management	\$	258.44
132-52	MS-24	Application Management - SharePoint Server Management	\$	287.15
132-52	MS-25	Application Management - Tape Backup Management (does not include Media)	\$	287.15
132-52	MS-26	Network Device Management –Firewall (Cisco, Juniper, etc.)	\$	306.30
132-52	MS-28	Network Device Management - Barracuda Mail Firewall	\$	335.01
132-52	MS-31	Network Device Management - Switches	\$	167.51
		Cloud Servers Linux or Windows Servers in minutes		
		How We Price Cloud Server		
		<i>You pay for each Cloud Server (virtual instance) by the hour. For your convenience, the monthly totals are also listed.</i>		
		Server Sizes:		
132-52	MC-01	256MB RAM / 10GB Disk (Linux Hourly rate)	\$	0.017
132-52	MC-02NC	256MB RAM / 10GB Disk (Windows Hourly rate)	\$	-
132-52	MC-03	512MB RAM / 20GB Disk (Linux Hourly Rate)	\$	0.038
132-52	MC-04NC	512MB RAM / 20GB Disk (Windows Hourly Rate)	\$	-
132-52	MC-05	1,024MB RAM / 40GB Disk (Linux Hourly Rate)	\$	0.072
132-52	MC-06	1,024MB RAM / 40GB Disk (Windows Hourly Rate)	\$	0.105
132-52	MC-07	2,048MB RAM / 80GB Disk (Linux Hourly Rate)	\$	0.144
132-52	MC-08	2,048MB RAM / 80GB Disk (Windows Hourly Rate)	\$	0.201
132-52	MC-09	4,096MB RAM / 160GB Disk (Linux Hourly Rate)	\$	0.287
132-52	MC-10	4,096MB RAM / 160GB Disk (Windows Hourly Rate)	\$	0.383
132-52	MC-11	8,192MB RAM / 320GB Disk (Linux Hourly Rate)	\$	0.565
132-52	MC-12	8,192MB RAM / 320GB Disk (Windows Hourly Rate)	\$	0.660
132-52	MC-13	15,872MB RAM / 620GB Disk (Linux Hourly Rate)	\$	1.120
132-52	MC-14	15,872MB RAM / 620GB Disk (Windows Hourly Rate)	\$	1.216
132-52	MC-15	Add Managed Service Level (Linux hourly rate per server)	\$	0.144
		<i>SQL Server images available on 2GB and higher Servers. Add 82¢/hour for SQL Server.</i>		
		<i>* Estimated monthly based on 730 hours of service.</i>		
		<i>** In addition to the hourly service fee of 15¢/hour per server, a \$125 flat, monthly account fee will be assessed when at least one server on the account is active. The account fee is not reflected in the above pricing as it is not a per server charge but an overall account fee no matter how many servers are active on the account.</i>		

		*** If you choose Red Hat Enterprise Linux (RHEL), the licensing fee is not included in the above pricing. In addition to the hourly charge, a \$25 flat, monthly fee will be charged per server calculated based on the maximum number of RHEL Cloud Servers active at any point in time during the billing cycle. These fees will not be prorated based on usage.	
		Cloud Storage	
132-52	CL-01	Storage Pricing (unlimited Files) price per GB	\$ 0.17
132-52	CL-02	Bandwidth Pricing (Bandwidth Out) price per GB	\$ 0.21
132-52	CL-03	Bandwidth Out (CDN Enabled) price per GB	\$ 0.21
132-52	CL-04	Bandwidth In - price per GB	\$ 0.10
Request Pricing - PUT, POST, LIST, HEAD, GET & DELETE requests		Files under or over 250 KB in size	Free
		Cloud Load Balancers On-Demand	
		*Each cloud load balancer (instance) is priced by the hour, plus the number of current connections, plus bandwidth, as shown below. There are no upfront, base fees.	
132-52	CL-07	Load Balancing Prices - Cloud Load Balancer Instance* (price per hour)	\$ 0.017
132-52	CL-08	Each 100 Concurrent Connections ** (price per hour)	\$ 0.017
		*Centrivity bills in minute intervals where the actual fee is \$.00030 per minute (equivalent to \$0.018/hr).	
		**Concurrent connections are a measure of average utilization over an hour based on 5 minute polling. Centrivity bills concurrent connections at \$0.00018 per hour for each connections (equivalent to \$0.018/hr for 100 concurrent connections).	
		Bandwidth Pricing (Bandwidth for your cloud load balancer is calculated separately as follows:)	
132-52	BW-01	Bandwidth Out (price per GB)	\$ 0.21
132-52	BW-02	Bandwidth In (price per GB)	\$ 0.10
		Data Center - Colocation Rate Sheet	
132-52	DC-01	Colocation Space: 1u (per u pricing) Install Charge	\$ 119.65
132-52	DC-02	Colocation Space: 1u (per u pricing) Monthly Recurring Charge	\$ 94.76
132-52	DC-03	Colocation Space: 1/4 Rack (9u) (per u pricing) Install Charge	\$ 186.65
132-52	DC-04	Colocation Space: 1/4 Rack (9u) (per u pricing) Monthly Recurring Charge	\$ 286.20
132-52	DC-05	Colocation Space: 1/2 Rack (18u) (per u pricing) Install Charge	\$ 186.65
132-52	DC-06	Colocation Space: 1/2 Rack (18u) (per u pricing) Monthly Recurring Charge	\$ 525.49
132-52	DC-07	Colocation Space: Full Rack (36u) (per u pricing) Install Charge	\$ 186.65
132-52	DC-08	Colocation Space: Full Rack (36u) (per u pricing) Monthly Recurring Charge	\$ 952.39
		**Pricing include power and bandwidth up to 10Mbps	
132-52	DC-09NC	Colocation Bandwidth (0 Kbps-10Mbps) Install Charge	N/A
132-52	DC-10NC	Colocation Bandwidth (0 Kbps-10Mbps) Monthly Recurring Charge	Included
132-52	DC-11NC	Colocation Bandwidth (10Mbps +) Install Charge	N/A
132-52	DC-12	Colocation Bandwidth (10Mbps +) Monthly Recurring Charge (price is per Mbps)	\$ 71.79
		**Providers: Cox and Verizon, Bandwidth is burstable to 100MB	
132-52	DC-13NC	Power (1/4 Rack and 1/2 Rack) 10 Amps - 120V Install Charge	N/A
132-52	DC-14NC	Power (1/4 Rack and 1/2 Rack) 10 Amps - 120V Monthly Recurring Charge	Included

132-52	DC-15NC	Power (Full Rack) 20 Amps - 120V Install Charge	N/A
132-52	DC-16NC	Power (Full Rack) 20 Amps - 120V Monthly Recurring Charge	Included
		<i>Additional Services:</i>	
132-52	DC-17	Cross Connect Fee (Install Charge)	\$ 239.29
132-52	DC-18	Cross Connect Fee (Monthly Recurring Charge)	\$ 95.72
132-52	DC-19NC	Engineer Support (Install Charge)	N/A
132-52	DC-20	Engineer Support (Monthly Recurring Charge) (per hour charge)	\$ 167.51
132-52	DC-21	DNS Hosting (Install Charge)	\$ 26.32
132-52	DC-22	DNS Hosting (Monthly Recurring Charge)	\$ 5.26
		<i>1. Colocation bandwidth connections are not rate limited to the initial commitment, are burstable to 100 Mbps, and are billed @ 95%.</i>	
		<i>2. Includes SLA.</i>	
		<p>---Understanding 95th Percentile Usage Billing</p> <p>What is the 95th percentile?</p> <p>The 95th percentile is a mathematical calculation widely used to evaluate the regular, sustained utilization of your Internet connection.</p> <p>This calculation says that 95% of the time, your usage is at or below this amount. With the top 5% of the bandwidth usage being short spikes of atypical usage, they are discarded.</p> <p>It is important to realize that the 95th percentile is not an average, but a representation of the actual bandwidth used.</p> <p>How does Digicon calculate the 95th percentile?</p> <p>Digicon's statistics system collects samples from its routers and switches every five minutes. Since the samples are taken every five minutes, the data sample represents a five minute averaged bits per second value.</p> <p>At the end of a term (such as a customer's billing cycle), these five minute bit per second values are gathered and sorted. The top 5% of the values, representing the highest points of bandwidth usage during the month, are discarded. The remaining highest sample of data is considered the 95th percentile sample and is used by our billing system.</p>	